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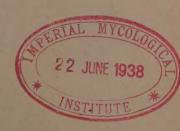
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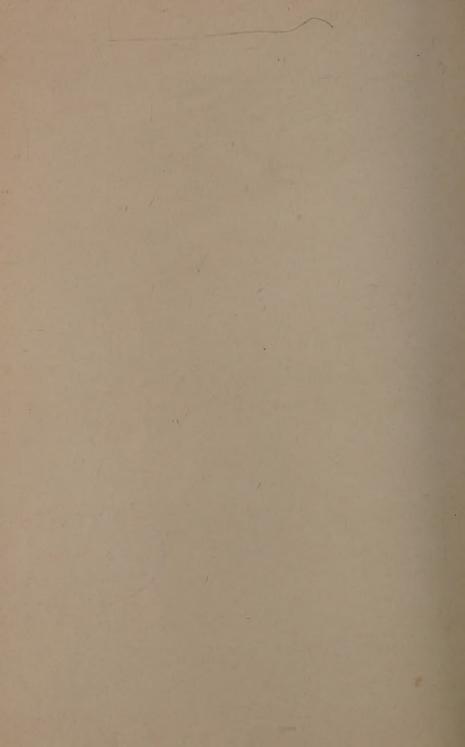
SEPTEMBER, 1936

DIVISION OF PLANT PATHOLOGY AND PHYSIOLOGY

A Rating of Plants With Reference To Their Relative Resistance or Susceptibility to Phymatotrichum Root Rot







In the selection of crops, shade trees, ornamental shrubs, or other plants to be grown in root-rot areas, it is of great importance to know the relative susceptibility or resistance of plants to the disease. This bulletin furnishes such information for 2,116 species or subspecies of plants belonging to 131 families. Only 408 of these species, about 19 per cent, are immune to the disease. Resistant species number 403. The remaining 1305 species are moderately to extremely susceptible.

All grasses and related plants (Monocotyledoneae) listed are immune to root rot. Most of the Dicotyledoneae, including such plants as elm trees, cotton, alfalfa, and sunflowers, are susceptible, although many plants in certain families, such as mints, crucifers, and cucurbits, are resistant or immune. All the Gymnospermae, such as conifers, listed are resistant or susceptible; none are immune.

Each plant is listed with its technical name, common name, and root-rot rating. In the main list, the plants are arranged alphabetically by the technical names under each family. Technical and common names are combined in a single alphabetic index, to facilitate reference.

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A RATING OF PLANTS WITH REFERENCE TO THEIR RELATIVE RESISTANCE OR SUSCEPTIBILITY TO PHYMATOTRICHUM ROOT ROT

J. J. Taubenhaus, Chief, and Walter N. Ezekiel, Plant Pathologist and Laboratory Technician, Division of Plant Pathology and Physiology.

The root-rot disease, caused by the fungus Phymatotrichum omnivorum (Shear) Duggar, attacks plants growing in favorable soils throughout a region extending from the Gulf of Mexico to southern California, and from Utah south into Mexico. In Texas and elsewhere in this region, root rot is the most destructive plant disease.

In the study of root rot at the Texas Agricultural Experiment Station, much information as to the relative susceptibility or resistance of plants to this disease has been obtained. Many plants are highly susceptible to root rot; other plants are somewhat less susceptible and may survive for a few years even in the presence of the disease; while some plants are highly resistant or immune. The relative susceptibility of some of these plants has been given in previous publications (2, 18, 21, 22). The present bulletin has been prepared in answer to requests from farmers, nurserymen, county agents, teachers, home owners, and officials connected with the Forest Shelterbelt and Soil Erosion projects, as well as research workers, for a new list to include the information now available. The present list gives root-rot ratings for more than a thousand plants not previously listed.

Methods of study: This bulletin includes information secured in two different ways. Some of the plants mentioned have been grown in experimental fields and artificially inoculated with root rot. Plants that have remained free of the disease after repeated inoculation are known to be resistant. For the rest of the plants mentioned in the list, the root-rot ratings given are based on field observations. For many years, plants found in root-rot areas throughout the State have been examined to find whether they have been infected naturally by the disease. Infected roots were always examined with the hand lens or microscope to determine the presence of the typical Phymatotrichum strands. Plants that remained apparently normal, under the same conditions, were pulled out also, and if the roots proved sound and free from strands were considered resistant or even immune. Obviously, root-rot ratings based on this second method of study are not necessarily final. Plants listed as susceptible may safely be considered susceptible to the disease, but of the plants listed now as resistant, some may later be found to be susceptible to root rot.

Plants included in the list: The list includes crop plants widely grown in root-rot areas; native weeds, shrubs, and trees; and also some less

common plants. Some of the last group are nursery introductions or rare weeds, which may not be suited to the soil or climatic conditions where root rot is prevalent, but are listed on the basis of their observed reaction to the disease.

The general arrangement of plants in the main list (Table 2) is alphabetically by technical names of the plants in each family. The order of families is approximately that of Engler and Prantl as used by Seymour (14). Names of plants have been given in general by the International Code, and agree usually with the names preferred by Gray's Manual (12), Bailey's Hortus (3), and Rehder (11). In many cases the names used by Small (15, 16) have been added as synonyms. Common names have been taken from the works of these writers and also from Standardized Plant Names (1). Additional authorities consulted have been Wooton and Standley (23), Hitchcock (8), Mattoon and Webster (10), and Schulz (13). The writers are indebted for identification of plants to the late Dr. L. H. Pammel, the late Professor H. Ness, Mr. V. L. Cory, and curators of the Philadelphia Museum of Natural Sciences and the United States National Museum; to Mr. D. T. Killough for assistance in the collection of some of the plants; and to Mr. H. B. Parks, Mr. S. E. Wolff, and Dr. R. G. Reeves for criticism of the manuscript.

Root-rot ratings: The general basis for the root-rot ratings given in the list is the percentage of plants which develop visible symptoms of the disease when exposed to root-rot infection under favorable conditions. This rating expresses what actually happens in the field when conditions are favorable for root rot. Yet even extremely susceptible annual plants, such as cotton and okra, are planted year after year in root-rot areas, and yield a partial crop even during years in which the disease is widely prevalent. This is true because the root-rot fungus is not uniformly distributed in the soil throughout infested fields, but instead overwinters on the surviving roots of plants previously infected or as sclerotia, located only at irregular intervals in the field. The disease appears first on the scattered plants of the new crop that grow closest to these centers of infection. Root rot then spreads, at a rate determined by weather conditions, to plants adjoining those first infected. Crop loss is greatest with plants killed early in the season, and least with plants that are attacked later (5). Since weather conditions do not necessarily favor spread of root rot every year, very susceptible annual crops may be grown, although with a varying amount of loss, even in areas where the disease is very prevalent. This consideration does not apply to long-lived plants such as shrubs and trees. Thus, susceptible fruit trees, even if they accidentally escape root rot for several years, are likely to be killed before any fruit is produced.

The relative susceptibility of plants is indicated in the list by symbols: "—" for immune plants; "+" for resistant plants; "++" for moderately susceptible plants; "+++" for highly susceptible plants; and "++++"

for extremely susceptible plants. More detailed definition below will emphasize the need of interpreting these symbols differently for annual and perennial plants.

Immunity, as shown by "—", indicates that no evidence has been found of root-rot infection on these plants, even when grown in root-rot areas under favorable conditions. Some of these plants may not be completely immune, but this can be determined only by further observation or by artificial inoculation experiments.

Resistant plants, designated by "+", include "passive hosts" or "passive carriers." The fungus infects the roots of such plants but the host develops new roots and survives in spite of the disease. Small percentages of resistant plants, usually less than 5 per cent of annual plants, may die from the disease. With perennial plants of this group, such as live oak and pomegranate, the seedlings or newly-rooted cuttings are somewhat susceptible, a small percentage succumbing to root rot, while older plants appear almost immune and mature plants very rarely succumb. A good stand of perennial plants of this group may be expected to survive to maturity.

Moderately susceptible plants, designated by "++", usually survive long enough to be used to a certain extent in plantings in root-rot areas. Annual plants included in this group are rated directly as those of which approximately 5 to 30 per cent may die of root rot during the one year of life; perennials included are those of which approximately 10 to 30 per cent of the plants that have survived past the seedling stage may succumb during any one year of their remaining life. Typical perennial plants of this group are many of the pines, which are quite susceptible in the seedling stage, a half or more succumbing at this time. The older plants are less susceptible and do not die rapidly from root rot, yet some of them succumb from year to year so that eventually only about one-tenth to two-tenths of those that survive the seedling stage may reach maturity. The continued loss in this way of trees of this group may make them undesirable in root-rot areas even though these plants succumb to the disease rather slowly.

Highly susceptible plants, designated by "+++", include annuals and perennials of which approximately 30 to 80 per cent of plants exposed to root rot will die during the year. Old as well as young plants in this group are susceptible to root rot. Trees in this group rarely survive for many years when exposed to the disease.

Extremely susceptible plants, designated by "++++", include annuals of which 80 to 100 per cent will succumb rapidly to the disease during the year, and perennials of which 60 to 100 per cent may succumb during any one year.

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These ratings are summarized in tabular form below:

-11	Annual plants.	Perennial plants				
Ratings	Percentage suc- cumbing to root rot during the year	Loss during seedling stage	Loss during any succeeding year after seedling stage	Total percentage likely to succumb before maturity		
++ ++ +++ ++++	0-5% 5-30% 30-80% 80-100%	None Slight Considerable Heavy Heavy	0 0-2% 10-30% 30-80% 60-100%	0 0-10% 50-90% 90-100% 100%		

It should be pointed out that the symbols used in the present list do not have the same meaning as symbols used in various earlier root-rot lists. Therefore the ratings given in previous lists should not be compared with those given here unless note is made of the differences in definition of symbols in the various publications. Some ratings in earlier lists have been changed in the present list to agree with our present information.

Discussion: It has already been pointed out (18, 19, 9) that root rot is indigenous on native plants throughout the root-rot area. A wide range of native plants, listed with "+" and "++" ratings, are somewhat susceptible to the disease and act as "passive carriers." Such plants may survive for some time after portions of their root systems are infected, thus insuring survival of Phymatotrichum omnivorum on the roots. Under such conditions, the disease is usually not noticed. When the land is planted to a susceptible crop, however, root rot starts from the surviving roots of the native vegetation and spreads rapidly along the more susceptible roots of the crop plants. In cultivated fields, weeds may continue to play an important part in aiding survival of the fungus during fallow periods. The fungus may overwinter on roots of weeds that grow through the winter, and spread from these roots to roots of succeeding susceptible crops (17).

A summary of the entire list by families, to show differences in the relative susceptibility of large groups of plants to root rot, is given in Table 1. For each of the 131 families, this summary gives the number of species that have been assigned root-rot ratings indicating the various degrees of susceptibility or resistance.

The outstanding feature of the list is the immunity of the monocotyledonous plants to the disease. This was confirmed experimentally by repeated and extensive inoculation of a variety of monocotyledonous plants (20) which nevertheless remained free of any symptoms of the disease. The

¹In the present and in previous lists, watermelon has been considered resistant to root rot. In Texas, watermelons are not grown commercially in root-rot areas, and the disease very rarely attacks watermelons grown in home garden plantings in such areas. Butler (4) has reported the disease as attacking four varieties of watermelons grown in Arizona.

immunity of Monocotyledoneae appears to be due to the presence in roots of these plants of a relatively high concentration of some substance that inhibits growth of the root-rot fungus (6, 7).

Within the susceptible dicotyledonous group, there are interesting variations in the reactions of families. Most of the Cruciferae are immune or highly resistant. Other families, such as Malvaceae and Euphorbiaceae, are quite generally susceptible. In other families, appear all stages between extreme susceptibility and almost complete immunity. In the Leguminosae, for instance, the black locust is very susceptible, while the retama (Parkinsonia aculeata) is resistant or immune. Similarly, in the Moraceae the fig is extremely susceptible, while the Osage orange is highly resistant.

Of the Gymnospermae listed, not one is immune to root-rot. Most of the gymnosperms, such as pines, firs, and larches, are at least moderately susceptible. A few cedars and arborvitaes are relatively resistant.

The entire list includes 2,116 plants. Of these, only 408, or about 19 per cent, are immune to the disease. Plants susceptible (excluding only those immune) number 1708, or about 81 per cent. Dividing the list in another way, the three more susceptible groups, of moderately to extremely susceptible plants, include 1305 plants or about 62 per cent of the total. That is, about one-fifth of the plants listed are immune to root rot, another fifth are resistant, and the remaining three-fifths are definitely susceptible.

TABLE 1. Summary, by families, of the relative resistance or susceptibility to root rot of plants given in the list.

	Number of entries listed as:						
Families, classes, etc.	Number of entries	Extremely susceptible ++++	Highly susceptible +++	Moderately susceptible ++.	Resistant	Immune	
Total of entire list(as percentage)	2116 (100%)	54 (2.6%)	375 (17.7%)	876 (41.5%)	403 (19.1%)	408	
Gymnospermae	87	1	15	59	12	(->10 /0/	
Ginkgoaceae	1	î					
Taxaceae Pinaceae	80		14	55	11		
ngiospermae	2029	53	360	817	391	408	
Monocotyledoneae	224	Aller II				224	
TyphaceaeAlismaceae	2					2	
Alismaceae	2					2	
Gramineae	48					48	
Cyperaceae	4					4	
Palmaceae	10		************	***************************************	***************************************	10	
AraceaeCommelinaceae	16	***************************************				16	
Pontederiaceae	13				***************************************	13	
Juncaceae	2					2	
Liliaceae	2 85					85	
Amaryllidaceae	19					19	
Dioscoreaceae	1					1	
Iridaceae	14					14	
Zingiberaceae	3						
Cannaceae	2					3 2 2	
Marantaceae	2				***************************************	2	
Dicotyledoneae	1805	53	360	817	391	184	
Saururaceae	1		4.4	***************		1	
Salicaceae	19	8	11				
Myricaceae	3 11	1	3	1	6		
Juglandaceae	14	1	8	6	0		
Fagaceae	31	2	5	23	1		
Urticaceae	6	~	1	3	2		
Ulmaceae	9	1	4		4		
Moraceae	11	4	4		3		
Proteaceae	1		1				
Aristolochiaceae	1			1			
Polygonaceae	25 27	1	2 7	13	9		
Chenopodiaceae	27	1	7	17	2		
Basellaceae	1			1			
Amaranthaceae	26		7	7	15	4	
Nyctaginaceae	22	1	1	12	2 3		
Phytolaccaceae	3	***************************************		***************************************	3		
AizoaceaePortulacaceae	26 22 3 3 9			6	3 3		
Caryophyllaceae	26				24	2	
Ranunculaceae	42	1	3	2	32	4	
Berberidaceae	26 42 12 2 3 2 5 10		1	4	7		
Menispermaceae	2			1	1		
Magnoliaceae	3		1				
Annonaceae	. 2		1	2			
Lauraceae	5		2	3			
Papaveraceae	10			4	6 3	***********	
Fumariaceae	4 45 2 2 2 26			1 5	3		
Cruciferae	45	1		5	-12	27	
Resedaceae	2			***************************************		2	
Saxifragaceae	26		4	10	10	2 2 2	
Pittosporaceae	20		Charles To 1	2	10	4	
Hamamelidaceae	2 3		2	1	***************************************	*************	
Platanaceae	1			-	1	*************	
Rosaceae	70	2	23	33	10	. 2	
Leguminosae	171	6	29	90	40	6	
Geraniaceae	9					6 9 7	
Oxalidaceae	7					7	
Tropaeolaceae	70 171 9 7 2 8					2	
Linaceae	. 8		1	7			
Zygophyllaceae	. 3			1	2 5	************	
Rutaceae	16		4	6	-		

TABLE 1. Summary, by families, of the relative resistance or susceptibility to root rot of plants given in the list. (Continued)

		Number of entries listed as:					
Families, classes, etc.	Number of entries	Extremely susceptible ++++	Highly susceptible	Moderately susceptible ++	Resistant	Immune	
Simarubaceae	1		1				
Meliaceae	1 3 1 2	2			1		
Malpighiaceae	1				2		
PolygalaceaeEuphorbiaceae	5 3		28	25			
Buxaceae.	1			1			
Anacardiaceae	15		4	11			
Aquifoliaceae	10 7			6	í	3	
Celastraceae	13		5	8			
Hippocastanaceae	7		1	6			
Sapindaceae	6	1	3	2		1	
BalsaminaceaeRhamnaceae	7	1	1	3	2		
Vitaceae	22		5 2	14	2 3		
Tiliaceae	22 2 94			2.1	1		
Malvaceae Sterculiaceae	94	6	. 66	21	1		
Theaceae	2 1		2		1		
Hypericaceae	î î				1		
Tamaricaceae	8		. 1	5	2		
Fouquieriaceae	1 8 1 3 4 5 1				3		
Violaceae	4					4	
Passifloraceae	5			. 5			
Caricaceae	1		. 1	2	1		
LoasaceaeBegoniaceae	. 1					1	
Cactaceae	22			22			
Elaeagnaceae	3		.	. 1	2		
Lythraceae	22 3 2 1 2 18			. 2	1		
Punicaceae Myrtaceae	2		1	1			
Onagraceae	18		. 1	9	8		
Araliaceae	4		. 1	3 22	5		
Umbelliferae Cornaceae	37	5	10	1 1	1		
Ericaceae	14		2	8	1	3	
Primulaceae	11			. 1	9	1	
Plumbaginaceae	2			1	2		
Sapotaceae Ebenaceae	11 2 2 3 49 5 4 7		1	1 1	1		
Styracaceae	3			. 2	1		
Oleaceae	49	2	17	30	1		
Loganiaceae	5		. 3	1	4		
Gentianaceae Apocynaceae	7			. 2	2	3	
Asclepiadaceae	20 31 11		. 5	15			
Convolvulaceae	31	1	12	18	5	4	
Polemoniaceae	9			2	4	4	
Hydrophyllaceae Boraginaceae	18			. 5	13		
Verbenaceae	28 57	******		_ 6	11	11 47	
Labiatae	57			34	10	1 1	
Solanaceae	44		. 5 . 2 5	11	g	7	
Bignoniaceae	8		5	3			
Pedaliaceae	1			4	. 1		
Martyniaceae	8 1 2 11 8 13		1	7	1 3		
AcanthaceaePlantaginaceae	8			. 3	5		
Rubiaceae	13	***************************************	1 3		3 5 5 5 3		
Caprifoliaceae	26		. 3	16	5	2	
Valerianaceae	3 3 20			2	3		
Cucurbitaceae	20	***************************************			. 4	16	
CampanulaceaeLobeliaceae	5		. 1	4			
Lobeliaceae	200		42	- 5 197	32	5	
Compositae	. 282	6	42	197	32	- 3	



Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.

(Symbol	s used to expres	matotri s rating	chum root rot. s are explained on p	pages 6 to 8)	
m 1 1 1		Relative	1	-	Relative
Technical	Common	suscepti-		Common	suscepti-
names	names	bility to root rot	names	names	bility to root rot
		1000 100			1001 101
GYMNOSP	ERMAE		P. clausa	Scrub pine sand	
			P. clausa P. densiflora P. echinata P. flexilis P. glabra P. jeffreyi P. mugo P. mugo mughus	pine	. ++
GINKGOA	CEAE		P. densiflora	Japanese red pine	· +
Ginkgo (Salisburia)			P. echinata	Shortleaf pine	++
biloba	Maidenhair tree	++++	P dlahra	.Limber pine	· + + + +
TAXAC	CEAE		P. jeffrevi	leffrey pine	II
Podocarnus elongata	Podocarpus	+	P. mugo	Mountain pine	++
Podocarpus elongata Taxus baccata T. canadensis T. chinensis	English yew	++	P. mugo mughus	.Dwarf mountain	
T. canadensis	Ground hemlock	- ++	D midno	pine	- ++
T. chinensis	. Chinese yew	- +++	P. nalustris	Longleaf pine	· TII
T. cuspidata Torreya californica	California nutmeg	II	P. pinea	.Italian stone pine	
		, ,	P. ponderosa	.Western yellow pine	+++
PINAC	EAE		P. nigra P. palustris P. pinea P. ponderosa P. resinosa P. rigida serotina	Red pine	- ++
Abies alba	Silver fir	- ++	r. rigida serotina	black pine, pond	الماليات
A haleamaa		- 11		Mexican white pine.	111
A. cephalonica	Greek fir	1 11	P. strobus	.White pine	. ++
A. concolor	White fir	++	P. strobiformis P. strobus P. stylestris P. tabulaeformis P. taeda Pseudosuga taxifolia	Scotch pine	. ++
A. grandis	Giant fir	- ++	P. tabulaerormis	Uninese pine	, ++
Araucaria brasiliana	Brazilian araucaria.	. , †	Pseudotsuga taxifolia	Donglas fir	. TII
Callitris rhomboidea	Cypress-pine	- ++ - ++ - ++ - ++ - ++	Sequoia gigantea		
C. robusta	Cypress-pine	++	Sequoia gigantea pendulata	. Weeping giant	
Abies alba A. amabilis A. balsamea A. cephalonica A. concolor A. grandis Araucarla brasiliana A. excelsa Callitris rhomboidea C. robusta Cedrus atlantica C. ilbanotica Chamaecyparis	Atlas cedar	- <u> </u> +	S comments leave district	redwood	- ++
C. libanotica	Cedar of Lebanon	- ++	S. sempervirens glauca Taxodium distichum	Bald cypress	. II
Chamaecyparis (Cupressus)			T. mucronatum	Montezuma cypress	++
nootkatensis	.Alaska cedar,		T. mucronatum Thuja occidentalis	.American arborvitae	++
C. obtusa gracilis. C. obtusa nana C. thyoides. Cupressus arizonica. Carizonica bonita	Nootka cypress	: ##	T. occidentalis doug- lasi pyramidalis	D	
C. obtusa gracilis	Hinoki cypress	- ++	last pyramidans	.Douglas pyramidai	4
C. obtusa nana	Dwart Hinoki	44	T. occidentalis robusta	Ware arborvitae	I I
C. thvoides		. ++	T. orientalis. T. plicata Tsuga caroliniana. T. diversifolia.	Oriental arborvitae.	++
Cupressus arizonica	Arizona cypress	++	T. plicata	.Giant arborvitae	++
C. arizonica bonita	Smooth cypress	- +++	T diversifelie	.Carolina hemiock	* ###
C. lusitanica	Mooneh overess	+++	a. diversitoria	.japanese nemock	
C. macrocarna	Monterey cypress	II			
C. sempervirens			ANGIOSP	ERMAE	
C. thyoides. Cupressus arizonica. C. arizonica bonita. C. lusitanica. C. macnabiana. C. macrocarpa. C. sempervirens stricta Juniperus chinensis pfitzerlana.	Italian cypress	- ++			
Juniperus chinensis .	.Chinese Juniper	. ++	MONOCOTYL	EDONEAE	
nfitzeriana	Pfitzer junioer	+			
pfitzeriana	Common juniper	++	ТҮРНАС	CEAE	
J. communis aurea	Golden juniper	. ++			
J. communis depressa	Prostrate juniper	. ++	Typha angustifolia T. latifolia	Narrowleaf cattail	
J. nachyphleea	Alligator juniper	I	7. latifolia	Cattan	
J. pachyphloea	Trailing juniper	+	ALISMA	CEAE	
J. sabina horizontalis	Trailing juniper	. ++	ALISWA	CLUTTE	
J. procumbens. J. sabina horizontalis J. sabina prostrata. J. scopulorum J. virginiana. Larix decidua L. kaempferi. L. laricina	Creeping jumper	++	Sagittaria graminea	Arrowleaf, water	
J. scopulorum	inniper				
J. virginiana	Red cedar	. +	S. lancifolia	Arrowleaf, water	
Larix decidua	.European larch	- ++		potato	
L. kaempferi	Japanese larch	. +++	CDAM	CHE A TO	
L. iaricina	American larch, tamarack	++	GRAMI	NEAE	
			Agropyron repens	Couch grass.	
Picea abies	Norway spruce	+++			
P. abies pyramidata	.Pyramidal spruce	+ +	Agrostis retrofracta	Bentgrass	_
P. engelmanni	White spruce	+11	Andropogon	Broomsedge	-
P. kovamai		II	Andropogon virginicus Avena fatua A. sativa Bambusa spp Bromus inermis B. secalinus Concerna pagrifforus	Wild oats	_
P. polita	Tigertail spruce	. ++	A. sativa	.Oats	
P. pungens	Colorado spruce	++	Bambusa spp.	Bamboo	
Pinus banksiana	Ked spruce	11	B sacalinus	Chess chest	-
P. caribaea	Slash pine	11	Cenchrus pauciflorus.	Sandbur,	
Libocedrus decurrens Picca ables. P. abies pyramidata. P. engelmanni P. glauca. P. koyamai P. polita. P. pungens. P. rubra. Pinus banksiana P. caribaea P. cembroides edulis.	Pinon pine	+++	Chloris gayana	Rhodes grass	

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

	to Phymatot	richum	root rot.—Continue	u.	
Technical names	Common names	Relative suscepti- bility to	Technical names	Common names	Relative suscepti- bility to
		root rot			root rot
Cortaderia selloana Cynodon (Capriola)			W. robusta	Mexican Washing- ton palm	. · <u> </u>
dactylon Digitaria (Syntherisma) Fischaemum D. sanguinalis Echinochloa crusgalli Euchlaena mexicana E. perennis Festuca elatior	.Bermuda grass	-	ARAC	EAE	
ischaemum	.Smooth crabgrass		222720	E318 K3	
D. sanguinalis	.Crabgrass		Acorus calamus		
Echinochloa crusgalli.	.Barnyard grass		variegatus	SweetHag	. –
E. perennis	Mexican teosinte		dracontium	Dragonroot	
Festuca elatior	Meadow fescue		A. triphyllum	Jack-in-the-pulpit	
Hilaria belangeri	.Curly mesquite		Caladium bicolor	Caladium	. –
Hordeum jubatum	Squirrel tail grace		Colocasia antiquorun euchlora	1 Flanhante-ear	
Hordenii Jubatum	foxtail barley	. –	C. antiquorum	pnanto-car	•
H. vulgare	Barley		C. antiquorum fontanesii	Elephants-ear	
Lolium perenne L. temulentum	.Perennial ryegrass	. –	G. esculenta	e.ephants-ear,	
Oryza eativa	.Darnel	-	Hydrosme rivieri	dasheen, taro	
Panicum capillare	Witchgrass	_	Lysichitum		-
P. miliaceum	.Broomcorn millet	. –	camtschatensis	Yellow skunk-	
Oryza sativa Panicum capillare P. miliaceum Paspalum distichum Phyllostachys aurea P. nigra	Knotgrass		Peltandra virginica	cabbage	
P niora	Rlackioint hamboo		Schismatoglossis	Arrow-arum	. –
P. reticulata	.Japanese timber	-	(Colocasia)		
	bamboo	. –	neo-guineensis	Spotted caladium	
Saccharum	Cugoroono		Symplocarpus (Spathyema)		
officinarum	Rve	_	foetidus	Skunk-cabbage	
Setaria (Chaetochioa)			foetidusZantedeschia aethiopica		
italica	.Foxtail millet,		aethiopica	Common calla	. –
S Intecens	Hungarian millet.	. –	Z. albomaculata	Spotted calla	
D. Idlescens	vellow bristlegrass		Z. elliottiana Z. rehmannii	Pink calla	
S. lutescens	.Palmgrass	. –			
S. viridis	.Green foxtail, green bristlegrass.		COMMELI	NACEAE	
Sorghum (Holcus)	Tohnson grass		Commelina	Dandaman	
S. vulgare	Sorghum		angustifolia	Creening dayflower	
halepense	.Kafir	. —	C. tuberosa	Dayflower	
S. vulgare durra	.Durra		C. nudiflora C. tuberosa Palisota barteri Rhoeo (Tradescantia)	Palisota	. –
S. vulgare			Khoeo (Iradescantia)	Roat-Jily	
S. vulgare sudanense.	.Sorgo	. —	discolor Tinantia fugax	Tinantia	. –
S. vulgare sudanense. S. vulgare technicum.	Sudan grass				
Tritleren acctiveres	Wheet		bracteata	Bracted spiderwort	
T. dicoccum	Emmer	_	bracteata	Spiderwort, grass	
T. spelta Zea mays	.Spelt			violets	. –
Lea mays	.Com		T. lanceolata	Spiderwort, grass	
CYPERA	CEAE		T. micrantha	violetsSpiderwort, grass	
GYPERA	CEAE		1. 1111014114111111111111111111111111111	violets	
Carer crinita	Sedge		T. reflexa	Spiderwort, grass	
Carex crinita	Umbrella plant		T. virginiana	Common epiderwood	
C. esculentus C. rotundus	.Chufa		1. Viiginiana	Common spiderwor	
C. rotundus	.Nut grass	. –	PONTEDE	RIACEAE	
PALMA	CEAE		Pontederia cordata	Pickerelweed	
Phoenix canariensis	Canary date palm		Pontederia cordata JUNCA		_
Phoenix canariensis	Canary date palm		JUNCA	CEAE	
Phoenix canariensis	Canary date palm		JUNCA	CEAE	
Phoenix canariensis	Canary date palm		JUNCA Juncus effusus J. tenuis	CEAECommon rush	
Phoenix canariensis	Canary date palm		JUNCA	CEAECommon rush	
Phoenix canariensis P. dactylifera P. pusilla P. rupicola Sabal exul S. palmetto S. texana Serenoa repens	.Canary date palm Date palm Ceylon date palm Cliff date palm Victoria palmetto Palmetto Texas palmetto		JUNCA Juncus effusus J. tenuis LILIAG	CEAECommon rushSlender rush CEAE s African-lily	. =
Phoenix canariensis P. dactylifera P. pusilla P. rupicola. Sabal exul. S. palmetto S. texana.	.Canary date palm Date palm Ceylon date palm Cliff date palm Victoria palmetto Palmetto Texas palmetto		JUNCA Juncus effusus J. tenuisLILIA6	CEAECommon rush	

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued,

Technical names	Common names	Relative suscepti- bility to root rot	Technical names	Common names	Relative suscepti- bility to root rot
A. cepa	Onion		Nothoscordum		
A. porriim	Leek	- =	bivalve	Crownoison falsa	
A. sativum	Garlic		DITALI Commencer construction	garlic	
A. porrum A. sativum A. tricoccum A. vineale	Wild leek	. –	N. fragrans	_Crowpoison, false	
A. vineale	.Wild garlic	. • -		garlic	
Aloe Ciliaris	.Aloe	-	Ornithogalum	C. (D.111)	
Amianthium muscaetoxicum	Fly-poison		umbellatum Polygonatum	Star-ot-Bethlenem	
Androstephium	ir ry-poisorr	•	biflorum	Solomonseal	-
Androstephium caeruleum	.Wild hyacinth		biflorum P. multiflorum Scilla hispanica	_Solomonseal	
Anthericum liliago	StBernard-lily	. –	Scilla hispanica	Spanish bluebell,	
Asparagus				squill	
asparagoides	Smuax asparagus		Smilacina	Talas salamanasal	
A. officinalis	Fern asparagus		amplexicaulis	raise solomonseal	
Asphodeline balansae	Tacobs-rod	_	Similar bong-noa	brier	
Aspidistra elatior Beaucarnea recurvata Bloomeria crocea	.Aspidistra	. –	S. glauca	Saw-brier, green-	
Beaucarnea recurvata	.Beaucarnea			brier	
Bloomeria crocea	Golden-stars		S. hispida S. lanceolata	Bristly greenbrier	
Brodiaea capitata	Triplet-lily		S. lanceolata	Jacksonbrier, green	-
Calochortus	. 111p1Ct-111y		S. rotundifolia	brierGreenbrier, horse-	
monophyllus	Yellow star-tulip				
Calochortus monophyllus C. nuttallii. Camassia (Quamasia)	.Sago-lily	. –	Trillium undulatum. Tulipa gesneriana Uvularia (Oakesia) sessilifolia Yucca aloifolia	_Trillium	
Camassia (Quamasia)	0 "1		Tulipa gesneriana	Tulip	
esculenta			Uvularia (Oakesia)	D-Ht	
Clintonia umbellata	hyacinth		Vucca ploifolia	Spanish barranet	
Convallaria maialia	Lily-of-the-valley		Y. brevifolia Y. constricta Y. elata Y. filamentosa Y. rupicola Y. tenuistyla	Toshua-tree	
Cordyline terminalis. Dasylirion texanum D. wheeleri.	Dracena		Y. constricta	Yucca	. –
Dasylirion texanum	Sotol, saw yucca	. –	Y. elata	Palmilla, soapweed	
D. wheelerl	Sotol, saw yucca	. –	Y. filamentosa	Common yucca	
Disporum	Foirs balls		Y. rupicola	Beargrass	
Dracaena fragrans	Dracena	_	Y. treculeana	Spanish dagger	-
Erythronium albidum	Adder's tongue		2	pita	
E. americanum Fritillaria meleagris	white troutlily	-	Zygadenus (Anticlea)		
E. americanum	.Common troutlily	. –	elegans	Zygadenus lily,	
Fritimaria meleagris	fritillary		Z. nuttallii	white-camas	
Helonias bullata	Swamp-pink	_	Z. nuttami	death-camas	
	Orange daylily		AMARYLLI	DACEAE	
H. citrina	Yellow daylily		Agave americana	Centuryplant	
A. dumortieri	.Narrow gwari			magney	
H. flava	Tall vellow daylily		A. maculosa	False aloes	–
H. fulva	.Tawny daylily		A. sisalana	Sisal hemp	
Hesperaloe parviflora.	.Hesperaloe		A. virginica	False aloes, rattle- snake-master	
aurantiaca H. citrina H. dumortierii H. flava H. fulva Hesperaloe parviflora Hyacinthus orientalis Kutshofia tricola	Common hyacinth.		Amaryllis belladonna	Relladonna-lily	
Kniphofia tricolor Lapageria rosea	torch-lily		Cooperia pedunculat	a Prairie-lily, rain-	
Lapageria rosea.	.Chile-bells	denne.	Cooperia pedunculat	lily	
Leucocrinum			Dorvanthes hirsutun	_Spearlily	
Leucocrinum montanum Lilium bolanderi L. canadense L. canddum L. dauricum L. leucanthum L. longiflorum L. pardalinum L. tarrum Melanthium	Starlily	. –	Eucharis grandiflora. Galanthus nivalis	Amazonilly	
Lillum bolanderi	Moodow lily		Hymenocallis	qorpwono	24
L. candidum	Madonna lily		calathina	Basket-flower	
L. dauricum	.Candlestick lilv.		H. occidentalis	Western spiderlilv_	
L. leucanthum	.Chinese white lily	_	Narcissus barrii N. bulbocodium	Jonquilinarcissus	
L. longiflorum	.White trumpet lily.		N. bulbocodium	Petticoat daffodil	
L. pardalinum	Leopard lily		N. jonquilla N. pseudonarcissus N. tazetta orientalis Nerine sarniense	Jonquil	
L. tidrinum	Tiger lily		N tazetta orientalia	Chinese sacred-lily	_
Melanthium	- 4 4 5 C4 111 y		Nerine sarniense	Guernsey-lily	
virginicum	.Bunchflower		Polianthes tuberosa	Tuberose	
virginicum Milla biflora	.Mexican star	-	Zephyranthes		
Muscari comosum monstrosum	Owner to a fact		(Atamosco)	Zachantila	
Nolina	.Grape-nyacinth	-	texana	Zepnyrmy	
lindheimeriana	Basket grass	_	DIOSCOR	EACEAE	
N. microcarpa	Basket grass		Dioscorea alata		

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot,—Continued,

Technical names	Common names	Relative suscepti- bility to root rot	Technical names	Common names	Relative susceptility to troot ro
IRIDA	ACEAE .		MYRICA	ACEAE	
Crocus ann.	Crocus	_	Myrica californica	California bayberry	
Freesia refracta	Crocus Freesia Freesia		Myrica californica M. cerifera M. rubra	Waxmyrtle	
F. refracta alba	Freesia			bayberry	+
Gladiolus spp	GladiolusWild iris		M. rubra	Bayberry,	
ris hexagona	Wild iris				
. laevigata	Japanese iris Rocky Mountain		JUGLANI	DAGEAE	
· missouriensis	irie Woulitaili	_	Carya (Hico; ia)		
. versicolor	irisBlueflag iris			White hickory.	
. xiphium	Spanish iris		alba. C. aquatica. C. buckleyi. C. cordiformis. C. laciniosa. C. ovata.	mockernut	
lemastylis acuta	Celestials	` _	C. aquatica	Bitter pecan	
chizostylis coccine	aCrimson flag		C. buckleyi	Black hickory	
devrinchilim			C. cordiformis	Bitternut hickory	
angustifolium	Blue-eyed-grass Dwarf blue-eyed-		C. laciniosa	Big shellbark	
., minus	Dwarf blue-eyed-		G	hickory	-
woodowa	grassBlue-eyed-grass		C. ovata	Shellbark or shag-	
· varians	biue-eyed-grass		C. pecan	Pooca	- 1
	1D / CD / D		Indlane nidra	Rlack walnut	: 1]
ZINGIBI	ERACEAE		J. regia	English or Persian	. 1 1
Interior operators	Challdaman		0.108,44	walnut	. ++
	Shellflower		J. rupestris	Mexican walnut	+++
coronarium	Gingerlily gar-		J. sieboldiana	Japanese walnut	- ++
coronarium	Gingerlily, gar-	-			
ingiber officinale	Ginger		BETULA	CEAE	
CANN	ACEAE		Alnus crispa	American green alder	4.4
lamma advilla	Edible some		A. glutinosa (vulgaris)		
indica	Edible canna Canna		A. rubra	Red alder	. ++
. murea	Camia		A. rugosa	Smooth alder	+
MARAN	TACEAE		A. rubra	Mountain alder	. ++
878278782	1103112		Betula alba	White birch	. +
Calathea zebrina	Zebra plant		B. lenta	Sweet birch	- †
Maranta 💮 💮			B. lutea	Yellow Dirch	. , †
arundinacea	Arrowroot		B populifolio	Crow birch	- 11
			B. lutea B. nigra B. populifolia Carpinus caroliniana	Blue beech horn-	
DICOTY	LEDONEAE		Chi pinta chi chi i	beam	+
			Corylus americana	American hazelnut	+-
SAURII	RACEAE		C. maxima Ostrya virginiana	Hazelnut, filbert	+-1
Directio			Ostrya virginiana	Hop-hornbeam	. +
aururus cernuus	Lizards-tail		FAGA	CIE A IE	
SALIC	ACEAE		Castanea crenata C. dentata C. floridana C. pumila C. sativa F sieboldii Ouercus alba O. cinerea O. coccinea O. dentata O. durandii O. emoryi O. ilicifolia O. lyrata	LISTERS	
			Castanea crenata	Japanese chestnut	+ 1
opulus acuminata	Sinoothbark	-1 1 1 1 1	C. dentata	Florida chinavasia	
andulate	cottonwood		C numile	Chinquapin	· II
· maguata	wood	++++	C. sativa	Spanish chestrut	+11
. angustifolia	Narrowleaf		Fagus grandifolia	American beech	, ,
· cargootal Oston	cottonwoodBalsam poplar	++++	F. sleboldii	Iapanese beech	. ++
. balsamifera	Balsam poplar	+++	Ouercus alba	White oak	4
. canadensis euger	ei Carolina poplar	++++	O. cinerea	Bluejack oak	4
. derroides			Q. coccinea	Scarlet oak	+-1
virginiana	Southern cotton-		Q. dentata	Daimyo oak	
1	wood	++++	Q. durandii	Durand white oak	
neterophylla	Swamp cottonwood	1 +++	O. emoryi	emory oak	
nidra italica	Lombordy poplar	++++	Q. Incholia	Scrub oak	~
. mgra mamca	White willow	II+	Q. lyrata	Rurr oak	
S. habylopica	Weeping willow	+ I I I	O. macrocarpa O. marilandica	Blackjack oak	
S. discolor	Southern cotton- wood Swamp cottonwood Black poplar. Lombardar poplar. White willow Weeping willow. Pussy willow Prairie willow Red willow Gulf willow Black willow	TITI	O. mohriana	Shin oak	
. humilis	Prairie willow		O. mongolica	Mongolian oak	
S. laevigata	Red willow	+++	O. muhlenbergii	Chinguapin oak	
. marginata	Gulf willow	+++	O. nigra	Water oak	
	Black willow	-+++	O. palustris	Pin oak	
5. nigra					
S. nigra S. purpurea	Purple osier	_ +++	Q. phellos	Willow oak	
S. nigra S. purpurea S. viminalis S. vitellina	Purple osier	-+++	O. marilandica O. mohriana O. mongolica O. muhlenbergii. O. nigra O. palustris. O. phellos O. prinoides.	Willow oak Dwarf chinquapin oak	

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

	to Phymator				
		Relative	}		Relative
Technical	Common	suscepti-	Technical	Common	suscept =
names	names	bility to	names	names	bility to
		root rot			root rot
Q. prinus	Chestnut oak,	1.1	P. lapathifolium	Water smartweed	- ++
Q. rubra	Spanish oals	- II	P. mexicana P. pennsylvanicum P. persicaria	Smartweed	- , †
Q. shumardii	Red oak snotted		P nersicaria	Lady's-thumb	. II
V. Silomardii	nak	4+	P. saoittatum	Arrow vine	- TI
Q. stellata	Post oak	1 ++	P. sagittatum P. scandens	Climbing false	· . '
Q. texana	Texas red oak	· ++		buckwheat	. ++
O. texana O. velutina	Black oak	. ++	P. virginianum	Jump seed	. ++
Q. virginiana	Live oak	- ÷	Rheum rhaponticum	Rhubarb	.++++
IIDTIC	ACEAE		P. virginianum Rheum rhaponticum Rumex acetosa	Tall sorrel	- +
UKIIC	ACEAE		R. acetosella		
Boehmeria cylindric	a Rutton hemn	44	R harlandiari	Dock	· TII
	Bog hemp		R. crispus	Vellow dock	- III
Parietaria			R. berlandieri R. crispus R. hymenosepalus	Canaigre	. '++
pennsylvanica	Hammerwort,		R. mexicanus	Dock	. ++
	pellitory	. +	R. obtusifolius	Ritter dock	
Urtica	0.1		R. pulcher R. verticillatus	Fiddle dock	- ++
cnamaedryoides	Stinging nettle	- ++	R. verticillatus	Swamp dock	. ++
U. diolca U. gracilis	Slander nettle	· TII			
C. gracins	Siender nettie	-	CHENOPO	DIACEAE	
ULMA	CEAE				
,			Atriplex		
Celtis sinensis	Chinese hackberry	. +	acanthocarpa	Salt bush	. ++
C. laevigata	Southern hackberry.		A. arenaria	Beach orach	++
C. occidentalis	sugarberry	. +	A. canescens	Shad scale, chamiso	++
C. occidentalis	Hackberry, beaver-		A. hortensis	Orach	- ++
Ulmus alata	Wood	- , +	A. lentiformis A. oppositifolia	Quail-bush	- +++
I americana	American elm		A. oppositifolia A. patula	Oracn	- ++
U. crassifolia	Cedar elm	. +++			
U. fulva	Red or slippery elm	+++	n. patula nastata	orach	
U. parvifolia	Chinese elm	++++	A. patula hastata Beta vulgaris	Garden beet	+++
U. crassifolia	Rock elm	. +++	B. vulgaris B. vulgaris cicla	Sugar beet	++++
			B. vulgaris cicla	Swiss chard	- +++
	CEAE		B. vulgaris		
Broussonetia	· 11		macrorhiza	Mangel-wurzel	- +++
papyrifera Cannabis sativa Ficus carica	Paper-mulberry	- +++	Camphorosma monspeliaca	Comphorosma	ala da da
Figure corice	Hemp		Chenopodium	Camphorosma	- TTT
F. elastica	Rubber-plant	THIL	albescens	Goosefoot	. ++
F. sycamorus	Sycamore fig	- 7 7 7 7	C. album	Pigweed, lamb's-	- 1 1
Maclura (Toxylon)	by camore ing		C. ambrosioides	quarters	- ++
Maclura (Toxylon) pomifera	Osage-orange, bois		C. ambrosioides	Mexican-tea.	
Morus alba	d'arc	- +	C. boscianum	wormseed	. ++
Morus alba	White mulberry	. +++	C. boscianum	Gooseroot	- ++
M. alba pendula	Weeping mulberry	+	C. glaucum	foot	de de de
M. aiba tatarica	Black mulberry		C. leptophyllum	Goosefoot	TII
M rubro	Red mulberry		C. murale	Goosefoot	++
M. nigra		- 1 1 1 1	C. murale C. vulvaria	Stinking goosefoot	. ++
PROTE	EACEAE		Cycloloma		
			atriplicifolium	Winged pigweed	- ++
Grevillea robusta	Silk-oak	- +++	Kochia scoparia	Summer-cypress,	
			97	belvedere	- ++
ARISTOLO	CHIACEAE		K. scoparia trichophylla	Summer-curress	
			trenophyna	Mexican fire-hush	++
Aristolochia elegans	Calico-flower	- ++	Salicornia perennis	Glasswort	
POLYCO	NACEAE		Salsola pestifer	•	
FOLIGO	NACEAE		Salicornia perennis Salsola pestifer (kali tenuifolia)	Russian thistle	. +++
Eriogonum annuum	Wild buckwheat	. ++	Spinacea oleracea	Spinach	- +
E. longifolium	Wild buckwheat	. '+			
E. longifolium E. multiflorum	Wild buckwheat	‡	BASELL	ACEAE	
Minehlenheckia			21.0000		
Polygonum (Persicar acre	Wire vine	. +	T		
Polygonum (Persicar	ia)		Boussingaultia	Madeira-vine	1.1
P convolution	water smartweed	. , +	Daselloides	wadeira-vine	. ++
P. hydropiper	Black bindweed	· ++			
- injuropiper	pepper	. +			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

Technical names	Common names	Relative suscepti- bility to root rot	Technical names	Common names	Relation susceptibility to root ro
AMARANT	HACEAE		PHYTOLAG	CCACEAE	
Acanthochiton			Phytolacca american:	Pokeherry ink.	
wrightii Acnida australis	Southern water-		P ridida	berry, pokeweed	
A. cannabina			P. rigida Rivina humilis	berry, pokeweed	 7
A. tamariscina.	hempCareless-weed	1	; AIZOA		,
A. tuberculata	hemp	- +	Mollugo verticiliata		
(Achyranthes)	Chaff flower	. +	Sesuvium	chickweed	
bettzickiana A. repens	Chaff-flower	++	portulacastrum	Sand-dune weed	
Amaranthus blitoides A. caudatus	Spreading pigweed Love-lies-bleeding	. ++	Tetragonia expansa	New Zealand spinach	
Amaranthus blitoides A. caudatus A. graecizans (albus) A. hybridus	Tumbleweed	+	PORTULA	CACEAE	
A. hybridus hypochondriacus			Claytonia caroliniana	hoonte	
A. paniculatus			C. virginica Portulaca grandiflora	beauty Spring beauty	
A. retroflexus	Daugh nigground)	Portulaca grandiflora	Portulaca, rose-mos	s +
A. spinosus	Spiny amaranth	: I	P. oleracea	Purslane	+
A. spinosus	Josephs-coat	+	P. pilosa	moss	3-
Celosia argentea	Cockscomb		Talinum		
C. argentea cristata Cladothrix	Cockscomb		_ aurantiacum	Flame flower	
lanuginosa	Cladothrix	++	T. lineare	Flame flower	
lanuginosa	Cladothrix	++	T paniculatum	Rock portulaca]
Froelichia _ drummondii			CARYOPHY		••
Company diamona					
(decumbens)	Bachelor's-button	- +	Arenaria benthamii	Sandwort	40
G. haadaana	Globe amarantii	- I	A. lanuginosa	Sandywink	
G. nitida	Amaranth	-	A. ser pymnona	sandwort	
decumbens) G. globosa G. haageana G. nitida Iresine lindeni	Blood leaf	. <u>-</u>	Cerastium brachypodum	Mouse-ear chick-	
NYCTAGI	NACEAE		C fantinglynna.	Weed	
Abronia fragrans	Sand verbena	+	latum	Powder-horn chick-	
Abronia fragrans A. latifolia	Yellow sand	,	C. viscosum	Weed	
A. umbellata		+	G. VISCOSUIII	weed	
Acleisanthes	Pink sand verbena	- ++	C. vulgatum	Mouse-ear chick-	
berlandieri	Angel's trumpet	- +++	Dianthus barbatus	weed	
A. longiflora	Angel's trumpet	+++			
Allionia (Oxybaphus)	Y7 b 11		D. chinensis	Chinese pink	
albida	Umbrella-wort	- 111	Gypsophila elegans	Babys-breath	
A. aggregata A. comata A. floribunda A. hirsuta A. lanceolata	Umbrella-wort	- TII	G. paniculata	Babys-breath	
A. floribunda	Umbrella-wort	- ++	Lychnis alba	Evening campion	***
A. hirsuta	Wild four-o'clock	. ++	Paronychia dichotoma		
A. lanceolata	Umbrella-wort	++	P. lindheimeri	Nailwort	
A. linearis A. nyctaginea	Umbrella-wort	++	Sagina decumbens	Pearlwort	
A. nyctaginea	Wild four-o'clock, umbrella-wort	- + + +	Saponaria officinalis	Soapwort, Bounc- ing-Bet	
A. pilosa	Umbrella-wort	- ++	S. (Vaccaria)		
Roerhaavia coccirca	Unibrena-wort		vaccaria	Cow-herb	
B. erecta	Spiderlings		S. (Vaccaria) vaccaria Scleranthus annuus Silene antirrhina S. dichotoma S. noctiflora	Knawel	
B. hirsuta	Spiderlings	++	Silene antirrhina	Sleepy catchfly	
B. linearifolia	Spiderlings	++	S. dichotoma	Forked catchfly	
Mirabilis jalapa	Four-o'clock	++++	S. noctinora	Night-nowering	
M. multiflora	Four-o'clock	+++	Sperdula arvensia	Spurry	
Nyctaginia capitata	Devil's bouquet	- ++	Spergula arvensis Stellaria (Alsine)	pur y	
			S. media	Common chickwee	d
				Chickweed	

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

Tabairal	Common	Relative	Technical		Relative
Technical names	Common names	suscepti- bility to root rot	names	Common	suscepti- bility to root rot
RANUNCU	LACEAE		MENISPER	RMACEAE	
Aconitum chinense	Chinese monkshood	. + - +	Cocculus (Cebatha) carolinus	Sarsaparilla vine.	
Anemone caroliniana A. coronaria		- I		snailseed	+
A. hortensis	Garden anemone.	I	Menispermum		
A. japonica	Јарапеѕе апетопе		canadense	Moonseed	++
A. coronaria			MAGNOL	IACEAE	
thalictroides	. Rue-anemone	. +	Liriodendron		
Aquilegia australis	Southern columbine	+	tulipifera	Tuliptree	. +++
A. canadensis	Golden columbine	I	tulipifera Magnolia grandiflora	Magnolia	'++
A landiesima	Columbine	- I	M. virginiana	Sweetbay	. ++
Caltha palustria	Marsh-marigold				
A. chrysantha	Black snakeroot	-	ANNON		
crispa	Curly clematis	: ‡	Annona squamosa	Sugar-apple	- , ++
Clematis (Viorna) ' crispa C. drummondii C. ligusticifolia C. pitcheri C. reticulata C. texensis (coccinea)	Clematis	- +	Asimina triloba	rapaw	- +++
C. ligusticifolia	Western virgins-		LAURA	CEAE	
C mitchani	Clamatia	- +			
C. pitcheri	Clematic	- 1	Benzoin aestivale	Spicebush	. ++
C toyoneis (coccinea)	Scarlet clematic	- I	Cinnamomum		
			_ camphora	Camphor-tree	++
D goeolinianum	Field larkeour	_1_	Persea americana	Avocado	- +++
D. consolida	Field larkspur	- +	P. borboniaSassafras variifolium	Red Day	++
D. consolida	Stavesacre	- +	Sassairas varinonum	Sassarras	- +++
D. vimineum	Prairie larkspur	- +	PAPAVEI	RACEAE	
D. virescens (albescens)	Coldonnool	· , , †	1		
Isopyrum biternatum	False rue-anemone	- TII	Argemone alba	Prickly poppy	+
Nidella damascena	Love-in-a-mist	+	A. mexicana	Mexican poppy	- ++
Paeonia albiflora	Peony	++++	A. platyceras	Prickly poppy	4-
Paeonia albiflora P. officinalis P. suffruticosa	.Peony	. +++	A. rosea Chelidonium majus.	Prickly poppy	++
P. suffruticosa	Tree peony	. +++	Eschscholtzia	Celandine	- +
Ranunculus			californica	California poppy	
cuneiformis		,	Papaver nudicaule	Iceland poppy	++
R. fascicularis	buttercup	· + + - + +	P. orientale P. pavoninum	Oriental poppy	' +
R. macranthus	Buttercup	T	P. pavoninum	Peacock poppy	- +
R. muricatus	.Buttercup		Sanguinaria	D1 1 1	
R. muricatus	Many-flowered		canadensis	Bloodroot	+
	spearwort	- +			
R. parviflorus	Buttercup	- +	FUMARI	AGEAE	
R. pusillus	Lesser spearwort	- I	Capnoides (Corydalis)		
R. repens	Celery-leaved	- Т	curvisiliauum	Scrambled eggs	+
it. secretatus	buttercup	. —	C. micranthum	Slender fumeroot	+
Thelicteum			curvisiliquum C. micranthum Dicentra (Bikukulla)		· ·
_ dasycarpum	Meadow-rue	- ++	cucullaria	Dutchmans-breeche	s ++
dasycarpum Trollius europaeus	Globe-flower	- +	D. spectabilis	Bleeding-heart	. +
BERBERII	DACEAE		CRUCII	ERAE	
Dankanta aslantas	Limeleyan barbarra	. ,	Alyssum saxatile	Goldentuft	. –
Berberis asiatica	Allegheny barberry	· I	Arabis petiolaris	Rock cress	
Berberis asiatica B. canadensis. B. gagnepainti B. thunbergii minor. B. verruculosa B. vulgaris Mahonia fremontii M. sweevi	Black barberry	I	Arabis petiolaris A. virginica Barbarea vulgaris Brassica alba	Rock cress	
B. thunbergii	.Japanese barberry	. ++	Barbarea vulgaris	Wintercress	
B. thunbergil minor	Box barberry	. +	Brassica alba	wiid mustard	- +
B. verruculosa	Warty barberry	- , +	B. arvensis	Kohlrabi	TI
B. vulgaris	Common barberry	. ++	B. caulorapa B. juncea	Mustard, mustard-	- TT
Manonia fremontii	Desert mahonia	- ++		greens	- +
M. swaseyi			B. juncea crispifolia.	Potherb mustard	. +
	herry	+	B. napobrassica B. napus	Rutabaga	-++
Nandina domestica	.Nandina	. +++	B. napus	Kape	
Podophyllum			B. oleracea acephala.	Cauliflows - bee	: †
peltatum	May apple	. ++	B. oleracea botrytis B. oleracea capitata	Caulinower, proceed	1 +
			B. oleracea capitata	Cabbage	- +
			D. C.C. MCCM	D 1	1
			gemmifera	Brussels sprouts	- odn

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued,

		Relative			Relative
Technical	Common	suscepti-	Technical	Common	suscepti-
names	names	bility to root rot	names	names	bility to root rot
		1001 101			1001 101
B. pekinensis	Chinese cabbage.		Jamesia (Edwinia)		
B. rapa Camelina sativa	Pe-Tsai		americana Mitella diphylla	Jamesia	. +
В. гара	Turnip	++	Mitella diphylla	Bishopscap	. +++
Camelina sativa	False flax		Philadelphus		
Capsella bursa-			P. cymosus	Sweet mockorange	
pastoris	Common wallflower		P. grandiflorus	Rig scentless	+
Cramba maritima	Seakale	a-b-			
Duaha annoifalia	Wild olygoum		P. pubescens P. serpyllifolius	Hoary mockorange.	= +
D. platycarpa Erysimum (Cheirinia) asperum Iberis_amara	Whitlow-grass		P. serpyllifolius	Wild mockorange	. +
Erysimum (Cheirinia)			Ribes americanum	_American black	
asperum	Wallflower			Currant	. +
Iberis amara	candytuft		R. curvatum	Georgia gooseberry.	- , †
I. odorata	Sweet candytuft	and and	R. grossularia R. sativum	Common current	- II
Lonidium anotalum	Pannararage	and the same of	Saxifraga		· TT
L. campestre	Field peppergrass		leucanthemifolia	Saxifrage	. ++
L. draba	Hoarv Debbergrass.				
L. medium	Pennergrass		PITTOSPO	RACEAE	
L. sativum L. virginicum Lesquerella gracilis	Garden cress		Pittosporum tobira	Tananese	
L. virginicum	Wild peppergrass		Treesoportain constant	pittosporum	. ++
L. lasiocarpa	· Bladder-pod pop-		P. viridiflorum	Cape pittosporum	- ++
D. lasiocal parameters	weed				
L. polyantha	Bladder-pod	—	HAMAMEL	IDACEAE	
L. recurvata Lobularia (Alyssum)	Bladder-pod	—	Hamamelis		
Lobularia (Alyssum)			virginiana	Witch-hazel	. ++
maritima	Sweet alyssum		Liquidambar formosana		
Mathiola incana	Ton wools stock	- 1	formosana	Formosa sweetgum.	- +++
M bicornie	Gracian stock	· I	L. styraciflua	Sweetgum	- +++
Mathiola incana	Horseradish	++++	PLATAN	A CIE A E	
			PLATAN.	ACEAE	
aquaticum Raphanus sativus	Water cress		Platanus occidentalis		
Raphanus sativus	Radish	. ++		buttonwood	- +
Sisymbrium (Sopma)	Tonar mustard	+	ROSAC	TIE A IE	
Sisymbrium (Sophia) canescens Thlaspi arvense	Penny cress			EAD	
			Adenostoma	O1 .	
RESEDA	CEAE		fasciculatum	_Chamiso	- ++
			gryposepala	Tall hairy agrimony	- 44
Reseda alba	White mignonette		A. mollis	"Soft agrimony	. 44
R. odorata	Common		A. mollis	Small-flowered	
	mignonette			agrimony	. +
SARRACE	NIACEAE		Amelanchier alnifolia	C	
Silitation	TIT CESTED		pumila	ServiceDerry	. ++
Darlingtonia			Amygdalus (Prunus) communis	Almond	
californica	California pitcher-		A. persica	_Peach	TII
	plant		A. persica nectarina	Nectarine	+++
Sarracenia purpurea	Common pitcher-		Aronia (Pyrus)		
~	plant		A. atropurpurea	Red chokeberry	- +++
CANCED A	CACEAE		A. atropurpurea	Purple chokeberry	- ++
SAXIFRA	GACEAE		Cercocarpus montanus	Mountain	
Boykinia rotundifolia	Roykinia	- ++	montanus	mahogany	
Carpenteria			Chaenomeles (Cydonic	*/	
californica	Carpenteria	- ++	iaponica	Iapanese flowering	
Chrysosplenium			C. sinensis.	quince	. +++
americanum	Golden saxifrage	- , +	C. sinensis	Chinese flowering	
Deutzia excellens	Deutzia	- ++	Cotoneaster	quince	- ++
D. gracilis D. lemoinel D. scabra Escallonia macranths	Lemoine deutzia	- +1	acutifolia	Pekin cotoneastes	طيطو
D. scabra	Fuzzy deutzia	- +I	acutifolia	Spreading coton-	7.7
Escallonia macrantha	Escallonia	- '-		easter	++
E. rudra	Escalionia		C. horizontalis	Rock cotoneaster	. +++
Heuchera sanguinea	Coralbells	. ++	C. pannosa	Silverleaf coton-	
Hydrangea			Companyation	easter	. +++
macrophylla	Hydrangea	- 111	Crataegus aestivalis		
H. paniculata	rıydrangea Hydrangea	- III	C. brachyacantha	thorn	4.4
H. serrata Itea virginica	Sweet-spire	- 11	C. intricata	Thicket hawthorn	++-
				TOTAL TANGETT	1 1 -1

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot,—Continued,

	to Phymatot	richum	root rot.—Continue	α,	
Technical names	Common names	Relative suscepti- bility to root rot	Technical names	Common names	Relative suscepti- bility to root rot
C. mollis	Downy hawthorn Small-fruited haw-	- +++	A. fruticosa		
G	thornSouthern hawthorn.	- +++	Apios tuberosa	Groundnut, potato	
C. viridis	Ouince nawthorn.	· III	Arachie hypotage	Poonut	-,,++
Cydonia oblonga Eriobotrya japonica	Locust	1 1 1 1	Arachis hypogaea Astragalus austrinus.	Milk-vetch	·TTT
Exochorda racemosa	Pearlbush	- +++ - +++ - +++ - ++	A. canadensis	.Milk-vetch	-++
Exochorda racemosa Fragaria chiloensis Geum canadense	_Strawberry		A. canadensis	.Ground plum	- ++
G. japonicum	white avens	- 11	A. (Hamosa)	Loco weed	. +
Kerria iaponica picta	Silver kerria	1	nuttallianus	Milk-vetch, Turkey	
Kerria japonica picta Photinia (Heteromeles)		- 1 i	A. reflexus A. wrightii: Baptisia australis B. leucantha	peas	- ++
arbutifolia	Christmasberry	- , ++	A. reflexus	Milk-vetch	-
arbutifolia. P. serrulata. P. villosa. Physocarpus opulifolius luteus. Potentilla argentea. P. grandifora. P. monspeliensis.	Hairy photinia	- III	Rantiela quetralie	Blue wild indice	
Physocarpus opuli-		- 1 1 1	B. leucantha	White wild indigo.	- ++
folius luteus	Goldleaf ninebark	- ++		prairie indigo	- ++
Potentilla argentea	Silvery cinquetoil	- †	B. leucophaea	.Prairie wild indigo	- ++
P. grandinora	Aipine cinqueroii	- I	B. spnaerocarpa	.False indigo bush	. +
			B. leucophaea B. sphaerocarpa Bauhinia variegata Cajanus cajan	Pigeon pea	++
P. angustifolia	Chickasaw plum	. ++			
P. armeniaca P. avium	Apricot	- +++	C. gladiata C. lineata	Sword bean	- ++
P. avium	Sweet cherry	- +++	Caragana arborescens	June bean	- ++
P. (Laurocerasus) caroliniana P. cerasus P. demissa	Cherry-laurel	. ++	Cassia chamaecrista		
P. cerasus	Sour cherry	. +++	(Chamaecrista fasciculata C. marilandica) Partridge pea	++
P. demissa	Western choke-	1.1	C. marilandica	.Wild senna	- ++
P. domestica	Common plum	- II	C. nictitans (Chamaecrista procumben.	c)Wild consitive plant	. Julio Bo
P. laurocerasus		- 11	Centrosema	s) wild sensitive-plant	· 47
(T) Cherry-laurel	- ++	(Bradburva)		
P. mexicana	Mexican plum	- İ	plumieri C. virginianum	Butterfly-pea	. ++
P. mexicana P. munsoniana P. reverchonii P. serotina	Hog plum	I I	G. virginianum	.wiid pea, butterny-	بالد
P. serotina	Wild black cherry	+	Cercis canadensis	Redbud, Judas-tree	+++
P. virginiana	Cnokecnerry	- ++	C. occidentalis	California redbud	- +++
P. virginiana Pyracantha coccinea Pyrus angustifolia	thorn	. ++	C. occidentalis. C. occidentalis. C. reniformis. Cicer arietinum Clitoria mariana. C. ternata. Cracca (Tephrosia) virginiana	.Chickpea, garbanzo	- III
Pyrus angustifolia	Southern crab-apple	++	Clitoria mariana	Butterfly-pea	++
P. communis P. malus	Pear		C. ternata	Butterfly-pea	. ++
Rosa spp.	Cultivated rose	TIII.	Cracca (1 ephrosia)	Davil's shoe strings	
R blanda	Meadow rose	. ++	V 44 55 44444444	cat-gut	. ++
R. bracteata R. carolina Rubus argutus	Macartney rose	- , ++	C. thurberi	.Pastel pea	++
Dubus ordutus	rasture rose		Crotalaria incana	.Hoary rattle-box	. +
Attibute arguitue	berry	. ++	G. Sagittaiis	box	+
R. flagellaris	Eastern dewberry	+	C. retusa	Rattle-box	+
R. idaeus	European raspberry	++	C. spectabilis	Rattle-box	+
Sorbus (Pyrus)	bouthern dewberry		Cyamonsis		
Sorbus (Pyrus) . americana	American mountain-			Guar	+
Spiraea alba	Man downwart	- 11	Dalea (Parosela)	C-14 D-1	
Spiraea alba	Garland spires	+11	D dolog	Golden Dalea	++
S. prunifolia	Bridal-wreath	++	D. formosa	Dalea	II
S. arguta S. prunifolia S. reevesiana S. vanhouttei	Reeves spirea	- +++	D. frutescens	.Dalea	++
S. vanhouttei	Vanhoutte spirea	+++	Dalea (Parosela) aurea D. dalea D. formosa D. frutescens D. pogonanthera D. spinosa	Purple Dalea	++
LEGUMI	NOSAE .		Daubentonia drummondii		++
Accelo (I/b-lli-)			O DE LA CONTRACTOR DE L	bush	+
Acacia (Vachellia) farnesiana	Huisache, sweet		D. longifolia	Rattle-bush	+
A. greggii A. neriifolia	acacia		Derris scandens	Derris	++
A. greggii	Catclaw, huajilla	· , , + .	Desmodium (Meibomia) canadense	Trefoil, tick or	
A. neriifolia	Baid acacia	+++		jointed clover	++
Aeschynomene americana A. viscidula		. ++			
A. viscidula	Joint vetch	++1			
Amorpha fragrans	False indigo	. ++1			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

Technical names	Common names	Relative suscepti- bility to	Technical names	Common names	Relative suscepti bility to
	<u> </u>	root rot			root rot
D. dillenii	Trefoil, tick or	1	Phaseolus		
	jointed clover	. ++	aconitifolius P. latifolius P. aureus P. calcaratus	.Moth bean	- ++
D. pariculatum D. purpureum	.Trefoil, tick or		P. latifolius.	Tepary bean	+++-
D. maniaulatum	jointed clover	. +	P. aureus	Mung bean	
D. paniculatum	. 1 reioii, tick or		P. coccineus	Scarlet runner bean	- 11
D. purpureum	Florida beggarweed	+++	P Innatus		
D. strictum	.Tick trefoil	++	macrocarniio	Lima bean	. ++-
D. wrightii	Tick trefoil	. ++	P. mungo	.Black gram	. ++
Dolichos lablab	.Hyacinth bean	+ +	P. polystachyus	.Bean vine	+-
Erythrina crista-galli E. herbacea	.Coraltree	. +++	Pieum estivum	-Kidney bean	- ++-
Eysenhardtia		· T	Pithecolobium flexicaule P. unguis-cati	English pea	
(Viboravia)			flexicaule	Texas ebony	
(Viborquia) amorphoides	.Rock-brush	- ++	P. unguis-cati	.Cats-claw	-
			Prosopis glandulosa Psoralea floribunda	.Mesquite	. 4
Gleditsia aquatica	Swamp locust	+++	Psoralea floribunda	.Wild alfalfa	. +-
G. triacanthos	Honey locust	-++++	P. rhombifolia	.Brown-flowered	
Gleditsia aquatica	Kentucky coffee		Pueraria	psoralea	
Gymnociadus dioica	tree	+	thunbergiana	Kudzu vine	ale a
Hoffmanseggia	V 2	- 7	rueraria thunbergiana Rhynchosia (Dolicholu americana R, minima R, texana Robinia hispida R, pseudoacacia R, viscosa Schrankia	5)	-
densiflora	Hog-potato, camote		americana	.Wild yellow pea	- +-
	de raton	- ++	R. minima	Pea-vine	- +-
Indigofera			R. texana	Hyacinth bean	. +-
leptosepala	lndigo	. +++	Robinia hispida	Rose acacia	+
I. lindheimeriana	Indigo	· +++	R viscoss	Clammer locust	-+++
I tinctoria	Indigo	· TII	Schrankia		- 77
I. suffruticosa I. tinctoria Krameria canescens	_Sand-bur	1 1	(Morongia)		
K, parvitolia	Sang-pur	. +	rocuterrana	Sensitive brier	- ++-
K commdiffee	Cond have		Sesbania canabina	.Sesbania	
Lathyrus latifolius	Perennial pea	. +++	S. macrocarpa	Coffee bean	
Lathyrus latifolius L. odoratus L. pusillus L. sylvestris Lens esculenta	Sweet pea	. +	S. vesicarla Sophora affinis S. japonica	Sesbania.	
L. pushius	Flat per	·	S. japonica	Tananese naroda-	
Lens esculenta	Lentil	. TII			
Lespedeva hirva L. neglecta L. prairea	.Bush-clover	. +++	S. (Broussonetia) secundiflora		
L. neglecta	.Bush-clover	. ++	secundiflora	_Mescal-bean,	
L. prairea	Bush-clover	+			. +-
L. repens	_Bush-clover		Stizolobium (Mucuna) deeringianum	Walnut hoom	
L. striata	Japan bush-clover	- 11	ueeringianum	Florida bean	م باد باد
L. texana Leucaena greggii	Mimosa	· <u> </u>	Strombocarpa		
Lupinus perennis	Sundiai lubine		(Prosopis)		
L. subcarnosus	Texas bluebonnet	. +	(Prosopis) pubescens Strophostyles helvola.	.Tornillo, screw bear	1 +-
Maackia amurensis	Amur maackia	- ++	Strophostyles helvola.	Sand-bean	- +-
M. chinensis	Chinese maackia	- ++	Stylosanthes biflora Templetonia retusa	Pencil flower	
Mackia amurensis. M. chinensis. M. chinensis. M. didicago arabica. M. hispida. M. lupulina. M. sativa. Melilotus alba. M. alba annua. M. indica.	Rur clover	- ++		hugh	- A-
M Inpuling	Black medick	- <u>+</u> I	Trifolium hybridum	Alsike clover	+ 1.
M. sativa	Alfalfa	++++	T. medium	Zizgag clover	++-
Melilotus alba	White sweetclover	. +++	T. pratense	Red clover	- ++-
M. alba annua	Hubam clover	- +++	T. procumbens	Low hop clover	
M. indica	Yellow, sweetclover.	- +++	T. medium T. pratense T. procumbens T. reflexum T. repens Vicia angustifolia V. faba V. hirsuta	Buffalo clover	. , +-
M. officinalis	Yellow sweetclover.	- +++	Vicio andustifalia	- Wnite clover	- ++-
Orytropis (Argaellus)	custuve-piant	- +	V. faba	Broadbean	11
lambertii	T.oco*weed	بالدبالد	V. hirsuta	.Hairy vetch	
Parkinsonia aculeata	_Horsebean, retama_		V. hirsuta V. leavenworthii V. ludoviciana	Wild vetch	- +-
P. torreyana	Palo verde	. +	V. ludoviciana	Deer-pea	- +-
			V. micrantha V. reverchonii V. sativa	-Wild vetch	
albidum	Prairie-clover	. ++	V. reverchonii	.Wild vetch	- +-
Petalostemum albidum P. candidum P. decumbens P. microphyllum P. multiflorum P. obovatum	w nite prairie-clover	++	V + OALLY Annumentation of the second	spring yetch	
P microphyllum	Prairie clover	· 11	V. tetrasperma	Lentil-tare	
P. multiflorum	White prairie-cloves	II	V. tetrasperma V. texana V. villosa	Texas wild vetch	I
P. obovatum	Prairie-clover.	-1- 1-	V. villosa	Winter or hairy	
P. purpureum P. stanfieldii	pussy-foot	. ++	774	vetch	. +-
P. purpureum	Prairie-clover	. ++	Vigna sesquipedalis	Asparagus bean	+ -
P. stanfieldii	Prairie-clover	- ++	V. sinensis Wisteria floribunda	.Cowpea	- ++-

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

Technical names		to 1 my mate.	- TOTAL GAR			
W. frutescens Wisteria	Technical	Common		Tachnical	Common	
W. frutescens Wisteria	names	names	bility to			bility to
W. frutescens Wisteria	Halifes	names .	root rot	Hames	names	root rot
GERANIAGEAE Frodium cicutariumPin clover, afficira, filare			1000100			1000.00
GERANIAGEAE Frodium cicutariumPin clover, afficira, filare	W. frutescens	Wisteria	++	C. trifoliata	Hardy orange	. +
GERANIACEAE Fordium cicutarium _Pin clover, affilere, af	Zornia bracteata	Zornia	- ++	Diosma ericoides	Buchu, breath-of-	
Erodium cicutarium. Pin clover, alifieria, filaree. E texanum Stork è bill Geranium argenteum Si cranesbill. G. carolinainum. Carolina cranesbill. G. maculatum. Wild geranium. Pelargionium Lady Washington geranium P. graveolens Rose geranium P. graveolens Rose geranium P. pelatum. Ivy geranium OXALIDACEAE Oxalis (Lelocalis) bowiel. O. (Carolinainum) Carolina cranesbill. G. maculatum. Viv geranium P. pelatum. Ivy geranium Oxalis (Lelocalis) bowiel. O. (Carolinainum) Carolina cranesbill. G. maculatum. Viv geranium P. pelatum. Ivy geranium Montesticum. geranium Montesticum. SimARUBACEAE Melia azedarach. Chinaberry tree. +++ braculiformis. Umbrella china tree ++++ braculiformis. Umbrella china tree ++++ braculiformis. Waherach umbraculiformis. Wallanthus glandulosa. Tree-of-heaven. +++ Melia azedarach. Malianthus glandulosa. Tree-of-heaven. +++ Melia azed					heaven	
E texanum Stork's bill Geranium argenteum Silver-leaved cranesbill. G. carolinianum Cranesbill. G. maculatum Wild geranium G. texanum Wild geranium domesticum geranium pelargonium domesticum. G. pelatum. Lvy geranium P. pelatum. Ivy geranium Momesticum geranium Momesticum geranium Momesticum geranium Momesticum Modes and P. pelatum. Ivy geranium Momesticum Modes and Modes	GERAN.	IACEAE		Fortunella japonica	Round kumquat	- +
E texanum Stork's bill Geranium argenteum Silver-leaved cranesbill. G. carolinianum Cranesbill. G. maculatum Wild geranium G. texanum Wild geranium domesticum geranium pelargonium domesticum. G. pelatum. Lvy geranium P. pelatum. Ivy geranium Momesticum geranium Momesticum geranium Momesticum geranium Momesticum Modes and P. pelatum. Ivy geranium Momesticum Modes and Modes	Fradium eleutarium	Pin closer		Ptolog trifoliata	Hoptree wafer och	·
E texanum Stork's bill Geranium argenteum Silver-leaved cranesbill. G. carolinianum Cranesbill. G. maculatum Wild geranium G. texanum Wild geranium domesticum geranium pelargonium domesticum. G. pelatum. Lvy geranium P. pelatum. Ivy geranium Momesticum geranium Momesticum geranium Momesticum geranium Momesticum Modes and P. pelatum. Ivy geranium Momesticum Modes and Modes	Elogium cicutarium	alfileria filaree		Thamposma texana	Thamnosma	. II
G. racolinjanum — Carolina cranesbill — G. maculatum — Wild geranium — G. texanum — Wild geranium — P. deargonium — G. texanum — Lady Washington geranium — P. pelatum — Ivy geranium — P. pelatum — Ivy geranium — MELIACEAE — Melia azedarach — Chinaberry tree — + + + M. azedarach umbraculifornis — Umbrella china tree + + + M. azedarach	E. texanum	Stork's bill		Zanthoxylum		
G. racolinjanum — Carolina cranesbill — G. maculatum — Wild geranium — G. texanum — Wild geranium — P. deargonium — G. texanum — Lady Washington geranium — P. pelatum — Ivy geranium — P. pelatum — Ivy geranium — MELIACEAE — Melia azedarach — Chinaberry tree — + + + M. azedarach umbraculifornis — Umbrella china tree + + + M. azedarach	Geranium argenteur	n Silver-leaved			Northern prickly	
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Pelargonium domesticum geranium geranium geranium per pelatum l'y geranium per pelatum l'y geranium per pelatum l'y geranium per pelatum l'y geranium l'y geraniu	G. carolinianum	Carolina cranesbill	-		tree	. ++
Pelargonium domesticum geranium geranium geranium per pelatum l'y geranium per pelatum l'y geranium per pelatum l'y geranium per pelatum l'y geranium l'y geraniu	G. maculatum	Wild geranium		SIMARII	RACEAE	
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P. peltatum		geranium		BATTLY A	CEAE	4
OXALIDACEAE Oxalis (Loloxalis) berlandier!	P. graveolens	Rose geranium		MELIA	CEAE	5,50
OXALIDACEAE Oxalis (Lotatis) berlandleri. Wood sorrel. O. (Lonkoxalis) bowlet. Oxalis. Oxalyeaced. Oxalis. Oxalyeacea. Oyleaf mercury. A. hispida. Oxalis. Oxalis. Oxalis. Oxalis. Oxalyeacea. Ox	P. peltatum	Ivy geranium	. –	Melia azedarach	Chinaherry tree	4444
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Devilation Wood sorrel O. (Xonthoxalis) Dowlel O. Standard Wood sorrel Sourgrass O. (Onoxalis) Golden Wood sorrel O. (Ionoxalis) dichondrasefolia Wood sorrel O. (Ionoxalis) drummondii Wood sorrel O. (Ionoxalis) O. (Ionoxal	OXALID	PACEAE		braculiformis	Umbrella china tree	++++
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O. stricta	drummondii	Wood sorrel		Polygala polygama	Candyweed, muk-	,
TROPAEOLACEAE Tropaeolum majus Masturtium — A. hederacea. Ivyleaf mercury — A. hederacea. Ivyleaf mercury — A. hispida — Chenille plant. — A. hispida — Cardinal feather. A. wire distance — A. wolkesiana — Copperleaf — A. moluccana — Cardinal feather. — A. moluccana — Cardinal feather. — A. moluccana — Cardin	O. stricta	Wood sorrel, sour-		P verticillate	Candygrood milk	-4-
TROPAEOLACEAE Tropaeolum majus Masturtium — A. hederacea. Ivyleaf mercury — A. hederacea. Ivyleaf mercury — A. hispida — Chenille plant. — A. hispida — Cardinal feather. A. wire distance — A. wolkesiana — Copperleaf — A. moluccana — Cardinal feather. — A. moluccana — Cardinal feather. — A. moluccana — Cardin		grass.	[1. Verticiliata	wort.	+
TROPAEOLACEAE Tropaeolum majus. Nasturtium. — A. hederacea. Ivyleaf mercury. — A. hispida. Chenille plant. — A. hispida. Chenille plant. — A. hispida. Chenille plant. — A. hispida. — Cardinal feather. — A. ostryaefolia. Tar weed. — — — A. radians. Cardinal feather. — A. radians. — A. radians. — Cardinal feather. — A. wilkesiana Copperleaf. — A. mercury. — A. theres. — A. radians. — Cardinal feather. — A. wilkesiana Copperleaf	O. (Ionoxalis)					,
Tropaeolum majus Masturtium	violacea	Violet wood sorrel		EUPHORB	IACEAE	
Tropaeolum majus Masturtium	TROPARO	LACEAE		A naturalis due allows	T	
Linum (Cathartolinum) alatum. Yellow flax	INOTIEC	, Eli GD. I L		A hadaracaa	Lindoof marcury	11
Linum (Cathartolinum) alatum. Yellow flax	Tropaeolum majus	Nasturtium		A. hispida	Chenille plant	II
A. wilkesiana Coperleas + +	T. minus	Nasturtium	_	A. lindheimeri	Cardinal feather	++
A. wilkesiana Coperleas + +				A. ostryaefolia	Tar weed	++
A. wilkesiana Coperleas + +	LINA	CEAE		A. radians	Cardinal feather	++
A. wilkesiana Coperleas + +				A. virginica	Three-seeded	
L. medium Yellow flax + L. rupestre. Wild yellow flax + L. striatum Wild flax + L. striatum Yellow flax + L. striatum Yellow flax + L. sulcatum Yellow flax + H. Argythamnia (Dilaxis)	Linum (Cainartoiinum	Vallow flav	لل مال	A wilkesiana	Connerleaf	II
L. medium Yellow flax + L. rupestre. Wild yellow flax + L. striatum Wild flax + L. striatum Yellow flax + L. striatum Yellow flax + L. sulcatum Yellow flax + H. Argythamnia (Dilaxis)	L. flavum	Golden flax	. II	Aleurites fordii	Tung-oil tree	II
XYGOPHYLLACEAE Kallstroemia hirsutissima. Hairy caltrop. + C. capitatus Woolly croton, hogwort. +++ tridentata. Creosote bush. + C. fruticulosus. Shrubby croton. ++- tridentata. Creosote bush. + C. glandulosus. Sand croton. ++- C. fruticulosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosu	L. lewisii	Prairie flax	++	A. moluccana	Candlenut tree.	
XYGOPHYLLACEAE Kallstroemia hirsutissima. Hairy caltrop. + C. capitatus Woolly croton, hogwort. +++ tridentata. Creosote bush. + C. fruticulosus. Shrubby croton. ++- tridentata. Creosote bush. + C. glandulosus. Sand croton. ++- C. fruticulosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosu	L. medium	Yellow flax	. ++		varnish-tree	++
XYGOPHYLLACEAE Kallstroemia hirsutissima. Hairy caltrop. + C. capitatus Woolly croton, hogwort. +++ tridentata. Creosote bush. + C. fruticulosus. Shrubby croton. ++- tridentata. Creosote bush. + C. glandulosus. Sand croton. ++- C. fruticulosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosu	L. rupestre	Wild yellow flax	. ++!	Argythamnia (Ditaxis)	Y 114 - 1	
XYGOPHYLLACEAE Kallstroemia hirsutissima. Hairy caltrop. + C. capitatus Woolly croton, hogwort. +++ tridentata. Creosote bush. + C. fruticulosus. Shrubby croton. ++- tridentata. Creosote bush. + C. glandulosus. Sand croton. ++- C. fruticulosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosu	L. striatum	Wild flax		A marcurialina	Low ditaxis	11
XYGOPHYLLACEAE Kallstroemia hirsutissima. Hairy caltrop. + C. capitatus Woolly croton, hogwort. +++ tridentata. Creosote bush. + C. fruticulosus. Shrubby croton. ++- tridentata. Creosote bush. + C. glandulosus. Sand croton. ++- C. fruticulosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fundamentation. Fruit calls. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fullosus. Sand croton. ++- C. fundamentation. ++- C. fullosus. Sand croton. ++- C. fullosu	I. neitaticeimu	x cilow nax	- + + +	Croton	wird mercury	77
Xellstroemia Hairy caltrop + C. capitatus Woolly croton, hogwort + + + tridentata Crosote bush + C. grandles Croton + + + + C. grandles Capitatus Croton + + + + + C. grandles Croton + + + + + C. grandles Croton C. fruticulosus Shrubby croton + + + + + + + + + + + + + + + + + +	D. Goltatissimuli			argyranthemus	.Silvery croton	+++
Kallstroemia hirsutissima Hairy caltrop + C. capitatus Woolly croton, hogwort +++ tridentata Creosote bush + C. fruticulosus Shrubby croton +++ tridentata Creosote bush + C. glandulosus Sand croton +++ C. lindheimerianus Croton +++ C. monanthogynus Mexican tea, prairie tea +++ C. aurantium Sour orange +++ C. grandis Grapefruit +++ C. grandis Grapefruit +++ C. limonia Lemon +++ C. imonia Lemon +++ C. imolia Citron +++ C. mobilis deliciosa Tangerine +++ C. nobilis deliciosa Tangerine +++ C. nobilis deliciosa Tangerine +++ C. nobilis unahlu Satsum orange +++	ZYGOPHY	LLACEAE		C. berlandierl	Croton	+++
Tribulus terrestris Puncture plant, caltrop. ++ C. leucophyllus White croton. ++ C. leucophyllus White croton. ++ C. leucophyllus White croton. ++ C. leucophyllus Mexican tea, prairie tea prairie prairie tea pr						
Tribulus terrestris Puncture plant, caltrop. ++ C. leucophyllus White croton. ++ C. leucophyllus White croton. ++ C. leucophyllus White croton. ++ C. leucophyllus Mexican tea, prairie tea prairie prairie tea pr	Kallstroemia	TT. 1 14		Cantalmannii	hogwort	+++
Tribulus terrestris Puncture plant, caltrop. ++ C. leucophyllus White croton. ++ C. leucophyllus White croton. ++ C. leucophyllus White croton. ++ C. leucophyllus Mexican tea, prairie tea prairie prairie tea pr	nirsutissima	Hairy caltrop	+	C fruticulosus	Shrubby crotor	
Tribulus terrestris. Puncture plant, caltrop	Larrea (Covillea)	Crossota hugh	.1.	C dlanduloeus	Sand croton	III
RUTACEAE RUTACEAE Cholsya ternata Mexican-orange + + + C. surantium Sour orange + + + C. grandis Grapefruit + + + C. limonia Lemon + + + C. limonia Lemon + + + C. modica Citron + + + C. modica Tangerine + + C. nobilis deliciosa Tangerine + + C. nobilis deliciosa Tangerine + + C. nobilis deliciosa Tangerine + + + C. nobilis unahiu Satsuma orange + + + C. nobilis deliciosa Flowering spurge + + + + C. nobilis deliciosa Flowering spurge + + + + C. nobilis deliciosa Flowering spurge + + + + + C. nobilis deliciosa Flowering spurge + + + + + + + + + + + + + + + + + + +	Tribulus terrestris	Puncture plant.	-1"	C. leucophyllus	White croton	+++
RUTACEAE Cholsya ternata. Mexican-orange Cltrus aurantifolia Lime C grandis. Grapefruit C imonia Lemon C medica Citron C nobilis deliciosa Tangerine C nobilis unahu Satsuma orange C prairie tea. C ctronopsis linearis. C elliptica. C		caltrop	. ++	C. lindheimerianus	Croton	+++
C. aurantium Sour orange +++ C. grandis Grapefruit +++ C. elliptica Rushfoils +++ C. elliptica Rushfoils +++ C. medica Citron +++ E. (Tithymalus) arkansana Warty spurge +++ C. nobilis deliciosa Tangerine +++ E. (Tithymalopsis) corollata Flowering spurge +++				C monanthodynna	Mexican tea	
C. aurantium Sour orange +++ C. grandis Grapefruit +++ C. elliptica Rushfoils +++ C. elliptica Rushfoils +++ C. medica Citron +++ E. (Tithymalus) arkansana Warty spurge +++ C. nobilis deliciosa Tangerine +++ E. (Tithymalopsis) corollata Flowering spurge +++	RUTA	CEAE		C	prairie tea	+++
C. aurantium Sour orange +++ C. grandis Grapefruit +++ C. elliptica Rushfoils +++ C. elliptica Rushfoils +++ C. medica Citron +++ E. (Tithymalus) arkansana Warty spurge +++ C. nobilis deliciosa Tangerine +++ E. (Tithymalopsis) corollata Flowering spurge +++	Chalama tamanta	Maniaga anggar		C. punctatus	Sand eroton akund	+++
C. aurantium Sour orange + Crotonopsis linearis. Rushfoils. ++ C. grandis. Grapefruit. +++ C. limonia. Lemon. ++ C. medica. Citron. ++ C. nobilis deliciosa Tangerine. +++ C. nobilis unahiu. Satsuma orange. +++ C. nobilis unahiu. Satsuma orange. +++	Citrus ausantifation	wexican-orange		U. LEXCHSIS	weed weed	والمراجع والمراجع
C. grandls. Grapetruit +++ C. elliptica. +++ C. nobilis deliciosa Tangerine +++ C. nobilis unahiu Satsuma orange +++ C. nobilis unahiu Satsuma orange +++	C. aurantium	Sour orange		Crotonopsis linearis	Rushfoile	ملد ماد
C. nobilis deliciosa Tangerine +++ E. (Tithymatopsis) C. nobilis unshiu Satsuma orange +++ corollata Flowering spurge +++	C. grandia	Grapefruit	+++	C. elliptica	Rushfoils	++
C. nobilis deliciosa Tangerine +++ E. (Tithymatopsis) C. nobilis unshiu Satsuma orange +++ corollata Flowering spurge +++	C. limonia	Lemon	++	Euphorbia (Tithymalus)	
C. nobilis deliciosa Tangerine +++ E. (Tithymatopsis) C. nobilis unshiu Satsuma orange +++ corollata Flowering spurge +++	C. medica	Citron		arkansana	Warty spurge	++
C. sinensis Orange ++ ++	C. nobilis deliciosa	Tangerine	+++	E. (Tithymalopsis)	Plantaring same	
C, smensis	C. nobilis unshiu	Satsuma orange		corollata	.r.owenng spurge	_ +++
	C. alliensis	Orange	TTT.			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

Technical names	Common names	Relative suscepti- bility to	Technical names	Common names	Relative suscepti- bility to
		root rot	·	<u>.</u>	root rot
E. (Tithymalus)	^		AQUIF	OLIACEAE	
cyparissias. E. (Poinsettia) dentata	Cypress spurge	+++	Her aquifolium	English holly	
dentata	Toothed spurge	. +++	I. caroliniana	Carolina bolly	- † - † - †
E. (Tithymalus) esula			I.'cassine	Carolina holly	1
esula	Leafy spurge	- +++	I. crenata	Japanese holly	. +
E. (Poinsettia) heterophylla	Pointed loof		I. decidua	Dahoon Japanese holly Possumhaw Winterberry, ink- berry Myrtle-leaf holly American holly	
neterophyna	Mexican fire-plan	t +++	1. glabra	berry, ink-	
E. (Chamaesyce)		- 1 1 1	I. myrtifelia	Myrtle-leaf holly	-
maculata	Spotted spurge,		I. opaca	American holly	<u>-</u>
E. malaca	milk purslane	- +++	I. verticiliata	Black alder,	
E. (Lehadenia)	nairy spurge	- 777	I vomitoria	Black alder, winterberry Yaupon	- †
E. (Lepadenia) marginata	Snow-on-the-		2. TOMETONIA	aupon	- 7
	mountain	- +++	CELAS	TRACEAE	
E. (Chamaesyce) nutans	0 1				
nutans	Spotted spurge	- +++	Celastrus scandens	American bitter-	
E. (Tithymalus) obtusata	Warty spurge	. +++		sweet	- ++
E. (Poinsettia) pulcherrima			Elaeodendron	False olive	1.1
pulcherrima	Poinsettia	. +++			
E. (Chamaesyce) serpens	Round-leaf source	ala da d	americanus	StrawberrybushWahoo WendooEvergreen burning-	. ++
Jatropha (Adenoropius	Nounu-lea: spurge		E. atropurpureus	Wahoo	. ++
multifida	Coral-plant	. ++	E. japonicus	Evergreen burning-	
J. (Cnidoscolus) texana	_ ` `		E. natens	bushSpread ng	++
texana	Bull nettle, spurge		particular and a second	euonymus	. ++
Manihot	nettle		E. radicans	euonymusWintercreeper	. +
carthaginensis	Manihot	: ‡‡			
M. esculenta		. ++	ACE	RACEAE	
Phyllanthus avicularia	Distillanting		Acor floridanism	Florida maple	1.1
P carolinanea	Phyllanthus Phyllanthus	··II	A. ginnala	Amur manle	· II
P. carolinense	Phyllanthus	1	A. negundo	Amur maple Box-elder	. ++
Ricinus communis	_Castor-bean	. +++	A. negundo		
Sapium sebiferum	Chinese tallowtree .	. +++	californicum	California box-elde	r ++
			A palmatum	Black maple	LII
S. sylvatica	Oueen's root	-++	A. platanoides	Norway maple	. +++
Tragia macrocarpa T. nepetaefolia T. ramosa T. urens	Stinging nettle	. +++.	A. pseudoplatanus	Japanese maple Norway maple Sycamore maple Red maple] + +
T. nepetaefolia	Nettle	- +++	A. rubrum	Red maple	. +++
T. ramosa	Nettle Nettle	- III	A. saccharinum	Dwarf red maple Silver maple	- +II
1. urens		- 1 1 4	A. saccharum	Sugar mapleMountain maple	. +++
BUXA	CEAE		A. spicatum	Mountain maple	- ++
Buxus sempervirens	Box	. ++	HIPPOCA	STANACEAE	
			Aesculus arguta	Texas buckeye	. ++:+
ANACARI	DIACEAE		A. californica	California buckeye	++
			A. discolor	California buckeye Woolly buckeye mis Ohio buckeye	- ++
Cotinus coggygria	Smoke-tree	- ++	A. glabra leucoderi	mis Ohio buckeye Horsechestnut	- 11
Harpephyllum caffrum	Kafir-plum	++	A. octandra	Yellow buckeye	11
Mangifera indica		++	A. pavia	Yellow buckeyeRed buckeye	++
Mangifera indica Pistacia chinensis	Pistache	. +++			
			SAPI	NDACEAE	
P. vera	Shining sumac	. +++	Candinanamar		
R. glabra	Smooth sumac	++	Cardiospermum	Woolly balloonvine	+++
P. texana. P. vera Rhus copallina R. glabra R. toxicodendron R. trilobata	Poison ivy	. ++	C. halicacabum	Balloonvine	
R. trilobata	Lemonade sumac	- ++	C. microcarpum	Balloonvine Small-fruited	
					- +++
R. verniciflua	Poison sumac.	++1	Noeireuteria paniculata	Japanese golden-	
R. vernix Schinus molle	California pepper-		рашешата	raintree	. + 4
			Sapindus		
S. terebinthifolius	Brazilian pepper-	++	drummondii	Soapberry, wild	
	tree	. 1 1	Tindan dia anastro	china Texas buckeye	-+++1

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot,—Continued,

Technical Common susceptinames bility to bility to root rot rot rot rot rot rot rot rot		to Phymatot	FICHUM	root rot,-Continue	eu.	
Impatiens balsamina		Common names	suscepti- bility to			Relative suscepti- bility to root rot
Impatiens balsamina		****		A triquotrum	Indian mallow	-1-1-1
Canothus americanus. New-Jersey-tea maricianus. New-Jersey-tea maricianus. New-Jersey-tea marine ivy marine iv	BALSAM	INACEAE		A. wrightli	Indian mallow	- III
Canothus americanus. New-Jersey-tea maricianus. New-Jersey-tea maricianus. New-Jersey-tea marine ivy marine iv	Immediane beloomin	a Touch me not		Althaea ficifolia	. Figleaf hollyhock	111
Canothus americanus. New-Jersey-tea maricianus. New-Jersey-tea maricianus. New-Jersey-tea marine ivy marine iv	impatiens baisannii	a 1 ouch-life-not,		A. officinalis	Marsh-mallow	. +++
Cannothus americanus. New-Jersey-tea maricanus. New-Jersey-tea maricanus. New-Jersey-tea marine ivy		garuen baisam	- T	A. rosea	Hollyhock	.++++
Cannothus americanus. New-Jersey-tea maricanus. New-Jersey-tea maricanus. New-Jersey-tea marine ivy	DHAM	NACEAE.		Anoda lavateroides	Anoda	. +++
Cannothus americanus. New-Jersey-tea maricanus. New-Jersey-tea maricanus. New-Jersey-tea marine ivy	KHAMI	NACEAE		Callirhoe alceoides	Poppy mallow	- +++
Ammericanus New-Jersey-tea Rhamnus caroliniana. Carolina buckthorn, Indian-cherry R. cathartica Buckthorn R. purshlana Cascara buckthorn VITACEAE WITACEAE WITACEAE WITAGEAE Anmelopsis aconitifolia Monkshood-vine A. arnborea (Cissus stans) A. cordata (Cissus stans) A. cordata (Cissus ampelopsis) A. cordata		Supplejack	. ++			
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H	Ceanothus			C. involucrata	Low poppy mallow,	
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H	americanus	New-Jersey-tea	- +	Carrentaldas	wine cup	. +++
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H	Knamnus caronniai	Indian charry	' ++	C. geramones	Poppy mallow	:
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H	R. cathartica	Ruckthorn	. II	C. nanaver	Poppy mallow	
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H	R. nurshiana	Cascara buckthorn	+++	C. pedata	Puppy mallow	- 111
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H	Zizvohus jujuba	Injube	++++	C. scabriuscula	Poppy mailow	1 + 4 4
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H	Z. obtusifolia	Lotibush	. ' ' ' +	C. triangulata	Clustered poppy	, , , ,
Ampelopsis aconitifolia. Monkshood-vine. + A. arborea (Cissus stans). Peppervine creeper. + + + + + + Cordata (Cissus stans). Peppervine creeper. + + + + + + Cossus incisa. Cow-itch vine, marine ivy. + + Cissus incisa. Cow-itch vine, marine ivy. + + Parthenocissus (Psedera) heptaphylla. Texas creeper. + + + P. quinquefolia. Virginia creeper. + + + P. quinquefolia. Wall creeper. P. tricuspidata Boston ivy. + V. tricuspidata Boston ivy. + V. baileyana. Possum grape. + V. candicans. Mustang grape. + V. champini. Champin grape, including. Champin grape, including. Champin grape, v. v. champini. Post-oak grape. + V. rorotifolia. Muscadine grape. + V. rorotundifolia. Muscadine grape. + V. vinifera. Wine grape. + V. vinifera. Malvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H. trionum. Flower-of-an-hour. + Walvactan. American linden. + + + H. trionum. Flower-of-an-hour. + H				G: 6	mallow	. +++
Ampelopsis acontifolia Monkshood-vine + A. arborea (Cissus sians). Peppervine creeper. A. cordata (Cissus ampelopsis) Heartleaf ampelopsis. + Cissus incisa. Cow-itch vine, marine ivy. Parthenocissus (Psedera) heptaphylla Texas creeper. P. quinquefolia Viginia creeper. P. quinquefolia Mountain grape. V. baileyana Possum grape. V. baileyana Possum grape. V. barlandieri. Spanish grape. V. champini. Champin grape, including Champanel V. cinerea Sweet winter grape. V. rotundifolia Mountain grape. V. rotundifolia Muscadine grape. V. vinifera. Wine grape. V. vinifera. Riverbank grape. V. vinifera. Wine grape. V. vinifera. Wine grape. V. vinifera. Wine grape. V. vinifera. Riverbank grape. V. vinifera. Riverbank grape. V. vinifera. Riverbank grape. TILIACEAE Tilia americana American linden. + T. vulgaris Common linden. + A. (Gayoides)	VITA	CEAE		Cientuegosia	Ci-mfm-m-i-	
Ampelopsis acontifolia	4111	CERTS		Sulphurea	Clentuegosia	- +++
Wild cotton	Ampelopsis			Gossypium arboreum	Lawar California	- +++
A. arborea C. Cissus stants A. cordata C. Covitata C. Cissus ampelopsis A. cordata C. Cissus ampelopsis A. Covitch vine, ampelopsis Ampe	aconitifolia	Monkshood-vine	. ++	G. armourianum	Lower Camornia	district.
A. cordata (Gissus ampelopsis) — Heartleaf — ampelopsis — Cow-itch vine, — marine ivy — Parthenocissus (Psedera) — heptaphylla — Texas creeper — P. quinquefolia — murorum — Wall creeper — P. tricuspidata — Boston ivy — V. trits aestivalis — Summer grape — V. berlandieri — Spanish grape, — v. candicans — Winter grape — V. champini — Champin grape — V. champini — Champin grape — V. champini — Champin grape — V. cinerea — Sweet winter grape — V. cinerea — Sweet winter grape — V. crotifolia — Frost grape — V. rotundifolia — Frost grape — V. rotundifolia — Frost grape — V. vinifera — Winter grape — V. vinifera — Winter grape — V. cinerea — Sweet winter grape — V. champini — Champin grape — including — Champanel — V. trits ascardine grape — V. vinifera — V. rotundifolia — Frost grape — V. vrotundifolia — Free-mallow — H. trionum — Flower-o'-a-hour — Kosteletzkya — althaeitolia — Free-mallow — H. trionum — Flower-o'-a-hour — Kosteletzkya — althaeitolia — Free-mallow — H. trionum — Flower-o'-a-hour — Kosteletzkya — althaeitolia — Free-mallow — H. vrotundifolia — H. vrotundifolia — Free-mallow — H. vrotundifolia —	A. arborea			G anritum	Ecuador cotton	TIT
Clissus ampelopsis Heartleaf ampelopsis	(Cissus stans)	Peppervine creeper	+++	(C. harhadense	Sea-Island and	
Parthenocissus (Psedera) (Psedera) heptaphylla P. quinquefolia murorum Wall creeper P. tricuspidata. Boston ivy Varizonica Canyon grape V. baileyana V. berlandieri Spanish grape V. candicans Mustang grape V. champini Champanel V. crodifolia Frost grape V. monticola Mountain grape V. rupestris Sand grape H. rusa-sinensis Cohinese cotton H. Hibiscus Cardiophyllus Rose-mallow H. manihot Rose-mallow H. rupestris Summer grape Champanel H. sobac-mallow H. manihot Rose-mallow H. ruperrication Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Ro	A. cordata			G. Dat Dadense	Egyptian cottons	+++
Parthenocissus (Psedera) (Psedera) heptaphylla P. quinquefolia murorum Wall creeper P. tricuspidata. Boston ivy Varizonica Canyon grape V. baileyana V. berlandieri Spanish grape V. candicans Mustang grape V. champini Champanel V. crodifolia Frost grape V. monticola Mountain grape V. rupestris Sand grape H. rusa-sinensis Cohinese cotton H. Hibiscus Cardiophyllus Rose-mallow H. manihot Rose-mallow H. rupestris Summer grape Champanel H. sobac-mallow H. manihot Rose-mallow H. ruperrication Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Ro	(Cissus ampelopsis).	Heartleaf		G. brasiliense	Kidney cotton	111
Parthenocissus (Psedera) (Psedera) heptaphylla P. quinquefolia murorum Wall creeper P. tricuspidata. Boston ivy Varizonica Canyon grape V. baileyana V. berlandieri Spanish grape V. candicans Mustang grape V. champini Champanel V. crodifolia Frost grape V. monticola Mountain grape V. rupestris Sand grape H. rusa-sinensis Cohinese cotton H. Hibiscus Cardiophyllus Rose-mallow H. manihot Rose-mallow H. rupestris Summer grape Champanel H. sobac-mallow H. manihot Rose-mallow H. ruperrication Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Ro		ampelopsis	. ++	G. herbaceum	Levant cotton	+++
Parthenocissus (Psedera) (Psedera) heptaphylla P. quinquefolia murorum Wall creeper P. tricuspidata. Boston ivy Varizonica Canyon grape V. baileyana V. berlandieri Spanish grape V. candicans Mustang grape V. champini Champanel V. crodifolia Frost grape V. monticola Mountain grape V. rupestris Sand grape H. rusa-sinensis Cohinese cotton H. Hibiscus Cardiophyllus Rose-mallow H. manihot Rose-mallow H. rupestris Summer grape Champanel H. sobac-mallow H. manihot Rose-mallow H. ruperrication Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Rose-mallow Rose-mallow H. manihot Ro	Cissus incisa	Cow-itch vine,		G. hirsutum	Upland cotton	++++
(Psedra) heptaphylla Pequinquefolia murorum Wall creeper P. tricuspidata Boston ivy Vitis aestivalis Vistis aestivalis Vistie otton Hibiscus Cardiophyllus Rose-mallow H. coccineus Nose-mallow H. aestivalis Vistis aestivatis Vis	Dentis	marine ivy	++	G. jamaicense		
P. quinquefolia	Lai thehoussus			(punctatum)	Florida tree cotton	+++
P. quinquefolia Virginia creeper. + + + P. quinquefolia Wilcotton	(Pseaera)	Tarrag araanar	ala da	U. IIICAICAIIUIII	Mexican cotton	+++
P. tricuspidata. Boston ivy Vitis aestivalis. Summer grape V. arizonica V. berlandieri. Spanish grape. V. candicans Mustang grape. V. champini. Champin grape, including Champanel. V. cinerea. Sweet winter grape. V. cordifolia Frost grape V. rotundifolia. Muscadine grape. V. monticola Mountain grape V. rotundifolia. Muscadine grape V. vrotundifolia. Muscadine grape V. vrotundifolia. Riverbank grape V. vupifrera. Wine grape. V. vupifrera. Wine grape. V. vulpina. Riverbank grape TILIACEAE Tilia americana American linden. MALVACEAE Abutilon berlandieri. Indian mallow. + + + A. (Gayoides) Wido cotton. + + Chinese cotton. + Chinese cotton. + + Chinese cotton. + Changing cotton. + Champing cotton. The coccineum. Rose-mallow. + H. coccineus. Rose-mallow.	P guinanofolia	Virginia creener		G. morrilli		
murorum Wall creeper P. tricuspidata. Boston ivy Pitta aestivalis Summer grape V. arizonica Canyon grape V. baileyana Possum grape. V. baileyana Possum grape. V. candicans Mustang grape. V. champini Champin grape, including Champanel Champanel P. champini grape. V. croundical Frost grape V. cordifolia Frost grape V. monticola Mountain grape V. rotundifolia Muscadine grape V. rotundifolia Muscadine grape V. vinifera Wine grape V. vinifera Wine grape TILIACEAE Tilia americana American linden P. roulgaris Common linden MALVACEAE Abutilon berlandieri Indian mallow + + A. (Gayoides) To All State of Common linden Prairie mallow Prairie Province P	P quinquefolia	v irgima creeper		(contextum, dictadum,	Mexican semi-	
V. candicans Mustang grape. V. champini Champin grape, including Champanel. V. cinerea Sweet winter grape. V. cordifolia Frost grape V. ilinsecomii Post-oak grape V. rotundifolia Muscadine grape V. rotundifolia Muscadine grape V. vinifera Wine grape V. vinifera	murorum	Wall creener	4+	patens)	Wild cotton	+++
V. candicans Mustang grape. V. champini Champin grape, including Champanel. V. cinerea Sweet winter grape. V. cordifolia Frost grape V. ilinsecomii Post-oak grape V. rotundifolia Muscadine grape V. rotundifolia Muscadine grape V. vinifera Wine grape V. vinifera	P. tricuspidata	Boston ivv	++1	G. nanking (marcum)	Porusian tree set	+++
V. candicans : Mustang grape. V. champini : Champin grape, including	Vitis aestivalis	Summer grape	++	G. peruvianum	ton Tanguis cot-	
V. candicans Mustang grape. V. champini Champin grape, including Champanel. V. cinerea Sweet winter grape. V. cordifolia Frost grape V. ilinsecomii Post-oak grape V. rotundifolia Muscadine grape V. rotundifolia Muscadine grape V. vinifera Wine grape V. vinifera	V. arizonica	Canyon grape	++		ton, ranguis cou-	بلد بلد بلد
V. candicans : Mustang grape. V. champini : Champin grape, including	V. baileyana	Possum grape	+++	Hibiscus	0044	1 1 1 1
V. candicans : Mustang grape. V. champini : Champin grape, including	V. berlandieri	Spanish grape,		cardiophyllus	Rose-mallow	+++
Champanel V. cinerea Sweet winter grape. V. cordifolia Frost grape V. insecomil Fost-oak grape V. monticola Mountain grape V. rupestris Sand grape V. vinifera V. vinifera Wine grape V. vinifera Wine grape V. vinifera Wine grape TILIACEAE Tilia americana American linden T. vulgaris Abutilon berlandieri Abutilon berlandieri Litia american Abutilon berlandieri Abutilon berlandieri Litia american Abutilon berlandieri Abutilon berlandieri Litia american Abutilon berlandieri Abutilo		winter grape	+	H. coccineus	Rose-mallow	+++
Champanel V. cinerea Sweet winter grape. V. cordifolia Frost grape V. insecomil Fost-oak grape V. monticola Mountain grape V. rupestris Sand grape V. vinifera V. vinifera Wine grape V. vinifera Wine grape V. vinifera Wine grape TILIACEAE Tilia americana American linden T. vulgaris Abutilon berlandieri Abutilon berlandieri Litia american Abutilon berlandieri Abutilon berlandieri Litia american Abutilon berlandieri Abutilon berlandieri Litia american Abutilon berlandieri Abutilo	V. candicans	Mustang grape	+	H. esculentus	Okra	++++
V. cinerea. Sweet winter grape. V. cordifolia Frost grape V. trotundifolia Post-oak grape V. monticola Mountain grape V. rotundifolia Muscadine grape V. vinifera Wine grape V. vulpina Riverbank grape TILIACEAE Tilia americana American linden. T. vulgaris Cotton-rose. H. mutabilis Cotton-rose. H. rosa-sinensis Chinese rose, Chinese hibiscus. H. sabdariffa Roselle. H. syriacus Shrub-althea H. trionum Flower-of-an-hour Kosteletzkya althaeifolia, Fen-rose Lavatera arborea Tree-mallow L. trimestris Tree-mallow L. trimestris Tree-mallow Malachra capitata Malachra Malachra capitata Malachra Malachra capitata Malachra Malowa parviliora Simali-flowered mallow M. rotundifolia Common mallow, Cheeses M. sylvestris High mallow Malvastrum Coromandelianum False mallow Malvastrum Coronandelianum False mallow Prairie mallow	v. cnampini	Champin grape,		H. lasiocarpus	Rose-mallow	+++
V. cinerea. Sweet winter grape. V. cordfolia Frost grape V. linsecomii Post-oak grape V. monticola. Mountain grape V. rotundifolia Muscadine grape V. vinifera. Wine grape V. vinifera. Wine grape V. vuipina Riverbank grape TILIACEAE Tilia americana American linden. T. vulgaris Cotton-rose. H. mutabilis Cotton-rose. H. srosa-sinensis Chinese rose, Chinese hibiscus. H. sabdariffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. Kosteletzkya althaeifolia. Fen-rose. Lavatera arborea. Tree-mallow. Halachra capitata Malachra Malachra capitata Malachra Malachra capitata Malachra Malachra capitata Malachra Malowa parviflora Simali-flowered mallow Malvastrum Common mallow, Cheeses H. subdariffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Roselle. H. syriacus Shrub-althea. H. trionum Flower-of-an-hour. H. votatiffa Roselle. H. syriacus Roselle. H. syriacu		Champanel	4	H. manihot	Rose-mallow	+++
V. monticola Mountain grape V. rotundifolia Muscadine grape V. rupestris. Sand grape V. vuinifera Wine grape V. vuinifera Wine grape TILIACEAE TILIACEAE Tilia americana American linden. T. vuigaris Common linden. MALVACEAE Abutilon berlandieri Indian mallow. A. (Gayoides) H. sabdariffa Roselle. H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hosteletzkya althaeifolia, Fen-rose. Lavatera arborea Tree-mallow H. trinustris Tree-mallow Malachra American linden. H. sylvestria Malachra Malachra Malachra Common mallow. Molvastrum Coromandelianum False millosus. H. sabdariffa Roselle. H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hosteletzkya althaeifolia, Fen-rose Lavatera arborea Tree-mallow Malachra Capitata Malachra Malva parviflora Small-flowered mallow H. sylvestris Hostelea H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hostelea Abutilon american linden. H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hostelea Abutilon american linden. H. sylvestris Malachra Malva parviflora Common mallow H. coccineum False millosus.	V. cinerea	Sweet winter grane	++1	H. moscneutos	Swamp rose-mallow_	+++
V. monticola Mountain grape V. rotundifolia Muscadine grape V. rupestris. Sand grape V. vuinifera Wine grape V. vuinifera Wine grape TILIACEAE TILIACEAE Tilia americana American linden. T. vuigaris Common linden. MALVACEAE Abutilon berlandieri Indian mallow. A. (Gayoides) H. sabdariffa Roselle. H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hosteletzkya althaeifolia, Fen-rose. Lavatera arborea Tree-mallow H. trinustris Tree-mallow Malachra American linden. H. sylvestria Malachra Malachra Malachra Common mallow. Molvastrum Coromandelianum False millosus. H. sabdariffa Roselle. H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hosteletzkya althaeifolia, Fen-rose Lavatera arborea Tree-mallow Malachra Capitata Malachra Malva parviflora Small-flowered mallow H. sylvestris Hostelea H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hostelea Abutilon american linden. H. syriacus Shrub-althea H. trinum Flower-of-an-hour Hostelea Abutilon american linden. H. sylvestris Malachra Malva parviflora Common mallow H. coccineum False millosus.	V. cordifolia	Frost grape	++	H wasa sinonsis	Chinese rose	+++
V. rupestris. Sand grape. + + + + + + + + + + + + + + + + + + +	V. linsecomii	Post-oak grape	++	II. 108a-Sineusis	Chinese hibigous	المالما
V. rupestris. Sand grape. + + + + + + + + + + + + + + + + + + +	V. monticola	Mountain grape	++	H. sahdariffa	Roselle	III
V. vinfera Wine grape V. vinfera Wine grape V. vulpina Riverbank grape TILIACEAE TILIACEAE Tilia americana American linden ++ T. vulgaris Common linden ++ MALVACEAE Abutilon berlandieri Indian mallow ++ A. (Gayoides) H. trionum Flower-of-an-hour ++ Kosteletzkya althaeifolia, Fen-rose				H. syriacus	Shrub-althea	+++
V. vuipina Riverbank grape + House of the property of the prop	V. rupestris	Sand grape	+++	H. trionum	Flower-of-an-hour	+++
TILIACEAE Tilia americana American linden. + + + + + + + + + + + + + + + + + + +	v. vinifera	Wine grape	+++	Kosteletzkya		
Tilia americana American linden. +++ T. vulgaris Common linden. +++ M. rotundifolia Common mallow, cheeses. ++ MalvAcEAE M. sylvestris. High mallow. ++ Malvastrum coromandelianum. False mallow. ++ A. (Gayoides) M. coccineum. Prairie mallow. ++ M. coccineum.	v. vuipina	Nverbank grape	77	althaeifolia	Fen-rose	++
Tilia americana American linden. +++ T. vulgaris Common linden. +++ M. rotundifolia Common mallow, cheeses. ++ MalvAcEAE M. sylvestris. High mallow. ++ Malvastrum coromandelianum. False mallow. ++ A. (Gayoides) M. coccineum. Prairie mallow. ++ M. coccineum.				Lavatera arborea	Tree-mallow	+++
Tilia americana American linden. +++ T. vulgaris Common linden. +++ M. rotundifolia Common mallow, cheeses. ++ MalvAcEAE M. sylvestris. High mallow. ++ Malvastrum coromandelianum. False mallow. ++ A. (Gayoides) M. coccineum. Prairie mallow. ++ M. coccineum.	TILIA	CEAE		L. trimestris	Tree-mallow	+++
Tilia americana American linden. +++ T. vulgaris Common linden. +++ M. rotundifolia Common mallow, cheeses. ++ MalvAcEAE M. sylvestris. High mallow. ++ Malvastrum coromandelianum. False mallow. ++ A. (Gayoides) M. coccineum. Prairie mallow. ++ M. coccineum.				Malachra capitata	- Maiachra	++
Abutilon berlandieriIndian mallow	Tilia americana	American linden	+++	Maiva parvinora		4.4.4.
Abutilon berlandieriIndian mallow	T. vulgaris	Common linden	+++	M. rotundifolia	.Common mallow,	
Abutilon berlandieri Indian mallow	MATT	CEAE		M evivestrie	High mallow	TIT
Abutilon berlandieri Indian mallow +++ A. (Gayoides)				Malvastrum		
A. (Gayoides) M. coccineum		Indian mallow	+++	coromandelianum	.False mallow	+++
crispum	A. (Gayoides)			M. coccineum	Prairie mallow	++
A. incanum Indian mallow +++ A. malacum Indian mallow +++ Malvaviscus (Achania) A. parvulum Indian mallow +++ A. parvulum Indian mallow +++ A. pictum Painted abutilon +++ A. teconse Indian mallow +++ A. theophrast Velvet leaf abutilon +++ Malvaviscus (Achania) 4M. conzattii Turk's-cap hibiscus H. conzattii Red wax-mallow ++ M. grandiflorus Large-flowered wax-mallow ++ M. grandiflorus Mallow +++ Malvaviscus (Achania) 4M. conzattii Turk's-cap hibiscus H. conzattii Red wax-mallow ++ M. grandiflorus Malvavi Mallow +++ Malvaviscus (Achania) 4M. conzattii Turk's-cap hibiscus H. conzattii Red wax-mallow ++ M. grandiflorus Malvavi Malvav		Indian mallow	+++1	M. leptophyllum	.False mallow	++
A. malacum. Indian mallow. +++ A. megapotamicum. Brazilian abutilon. +++ A. parvulum. Indian mallow. +++ A. pictum. Painted abutilon. +++ A. texense. Indian mallow. +++ A. theophrasti. Velvet leaf abutilon ++++ A. theophrasti. Velvet leaf abutilon ++++ A. theophrasti. Velvet leaf abutilon +++++	A. incanum	Indian mallow	+++	M. spicatum	.False mallow	++++
A. negapotamicum Brazilian abutilon + + + + A. parvulum Indian mallow + + + M. conzattii Turk's-cap hibiscus. A. pictum Painted abutilon + + + M. drummondii Red wax-mallow + M.	A. malacum	Indian mallow	+++	Malvaviscus (Achania)	337	
A. partulum Indian mallow ++++ M. conzattii Turk's-cap hibiscus. A. pictum Painted abutilon ++++ M. drummondii Red wax-mallow ++ A. texense Indian mallow +++ A. theophrasti Velvet leaf abutilon ++++	A. megapotamicum	Brazilian abutilon	+++	arboreus	.vvax-mallow	++
A. texenseindian mallow +++ A. texenseindian mallow +++ A. theophrastiVelvet leaf abutilon ++++	A. parvulum	Indian mallow.	+++	M. conzattii	Pod wor mollow	1,1
A. theophrastiVelvet leaf abutilon ++++ mallow	A toyongo	Indian mellow	TIT	M drandiflorus	Large-flowered war	TTT
An encohminator tester sear apartion 1.1.1.1.	A theophreeti	Velvet leaf abutiles	TITI	W. grandinoi us	mallow	ملد ملد
	is theophiasti	V CIVEL ICAI ADULIION	1 777			7.7

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot,—Continued.

Aodiola da viola da v	- +++ - +++	CISTACEAE Helianthemum (Crocanthemum) majus Hoary frost-weed. H. nudiflorum Sun-rose. H. rosmarinifolium Sun-rose. VIOLACEAE Viola missouriensis. Violet. V. odorata English or garden violet. V. tricolor Pansy. V. cornuta Horned violet. PASSIFLORACEAE Passiflora affinis Passion flower. P. gracilis Passion flower. P. gracilis Passion flower. P. incarnata Maypops.	++
avonia ida ida ida ida ida ida ida ida ida i	- +++ - +++	(Crocanthemun) majus	++
ida ida mall-leaved sida ida deloncilla ida ida ida ida ida ida ida ida ida id		(Crocanthemun) majus	++
ida mall-leaved sida ida ida feloncilla ida ida ida ida ida ida ida ida ida id	+++ +++ +++ +++ +++ +++ +++ +++	majus Hoary frost-weed. H. nudiflorum Sun-rose. H. rosmarinifolium Sun-rose. VIOLACEAE Viola missouriensis Violet V. odorata English or garden violet V. tricolor Pansy V. cornuta Horned violet. PASSIFLORACEAE Passiflora affinis Passion flower. P. caerulea Passion flower P. gracilis Passion flower	++
ida ida ida ida ida ida ndian mallow, prickly-sida ida ida ida ida ida	+++	VIOLACEAE Viola missouriensis	++
ida ida ida ida ida ida ndian mallow, prickly-sida ida ida ida ida ida	+++	VIOLACEAE Viola missouriensis	++
ida ida ida ida ida ida ndian mallow, prickly-sida ida ida ida ida ida	+++	VIOLACEAE	+++
ida ida ida ida ida ida ndian mallow, prickly-sida ida ida ida ida ida	+++	Viola missouriensis	++
ida ida ida ida ida ida ndian mallow, prickly-sida ida ida ida ida ida	+++	Viola missouriensis	++
ida ida ida ida ida ndian mallow, prickly-sida ida ida ida ida ida ida idal	+++	V. odorata	++
ida ida ida ida ida ida prickly-sida ida ligger-weed lompadour mallow llobe mallow	++++	V. odorata	++
ida ida ida ida ida ida prickly-sida ida ligger-weed lompadour mallow llobe mallow	++++	V. tricolor	
ligger-weedompadour mallow	· +++ · ++ · ++	PASSIFLORACEAE Passiflora affinis Passion flower P. caerulea Passion flower P. gracilis Passion flower	++
ligger-weedompadour mallow	· +++ · ++ · ++	PASSIFLORACEAE Passiflora affinis Passion flower P. caerulea Passion flower P. gracilis Passion flower	+++++++++++++++++++++++++++++++++++++++
ligger-weedompadour mallow	· +++ · ++ · ++	Passiflora affinis Passion flower P. caerulea Passion flower Passi	+-
ligger-weed Compadour mallow Blobe mallow	· +++ · ++	Passiflora affinis Passion flower P. caerulea Passion flower Passi	+-
ligger-weed Compadour mallow Blobe mallow	· +++ · ++	P. caerulea Passion flower P. gracilis Passion flower	+-
Compadour mallow		P. caerulea Passion flower P. gracilis Passion flower	++
Compadour mallow		P. gracilis Passion flower P. incarnate Maypons	++
lobe mallow		P. incarnata Maynone	
		The state of the s	+
		P. lutea Yellow passion	
ligger-weed	- ++	flower	- +4
ligger-weed		CARICACEAE	
lobe mallow	+11		
	'++	Carica papayaPapaya	+++
lobe mallow	+++		
lobe mallow	. ++	LOASACEAE	
lobe mallow	. ++	Mentzelia decanetala Blazing star	ال علد
lobe mallow	. ++	M. laevicaulis Blazing star	77
elvet-mallow	. , ++	M. nudaStick-leaf	+ +
elvet-mallow			
CEAE			
hoenix-tree	. +++		
1exican mallow	. +++		
AE		Ancistrocactus	+-1
		Schoori Fishbook south	
obiolly-bay	. +	Ariocarpus fissuratus Living rock	77.7
CEAE		Coryphantha	+ +
		macromerisCoryphantha cactus	++
		Dolichothele	
t. John's-wort	. +	(Mammillaria)	
		sphaericaNipple cactus	++
CEAE		Ecninocactus horiganthalanina	
CHILL		Febire correct (Correct) Devil's-head cactus	++
frican tamarix	. +	fendleri Pitava	
thel, evergreen		Echinomastus	++
tamarix:	. ++	(Echinocactus)	
		intertextusViznagita	+4
salt cedar	++	Enithelantha	
deces tamarix	- ++	(Mammillaria)	
salt cedar	+++	micromerisButton cactus	++
amarix	++	ESCODAFIA (Mammiliaria)	
ive-stamen		Ferocactus	++
tamarix	++	(Echinocactus) spp. Barrel cactus	
		viznaga	44.4
mur tamarix	+	MAMALUCACLUS	3.7
-		(Echinocactus)	
CEAE		setispinusTwisted-rib-cactus	++
a mellama a et		Lopnophora	
		williamsii	
	iobe mailow. iobe mailow. iobe mailow. iobe mailow. iobe mailow. elvet-mailow. elvet-mailow. elvet-mailow. elvet-mailow. elvet-mailow. elvet-mailow. ECAE hoenix-tree. lexican mailow. CEAE t. Jöhn's-wort. CEAE t. Jöhn's-wort. CEAE t. Jöhn's-wort. CEAE and tamarix. thel, evergreen tamari x. rench tamarix. salt cedar. salt cedar. manarix. ve-stamen tamarix. ve-stamen tamarix.	hobe mailow	LOASACEAE Mentzelia decapetala. Blazing star

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

		Relative	root rot,—continue		Relative
Technical names	Common names	suscepti- bility to root rot	Technical names	Common names	suscepti- bility to root rot
Neobesseya (Mammillaria)			O. (Megapterium) missouriensis	Ozark evening	
missouriensis	Neobesseya	. ++		primrose	. ++
Neolloydia	3.Y 11. 11.		O. (Hartmannia) rosea	Rose sundrops	- ++
Neomammillaria	Neolloydia	- ++	ADAYYA	OD A D	
(Mammillaria)			ARALIA	CEAE	
heyderi	Hemisphere cactus.	- ++	Acanthopanax		
O. leptocaulis	Tasaiillo	- ++	sieboldianum	.Five-leaved aralia	. ++
Opuntia spp. O. leptocaulis O. lindheimeri	Prickly pear	. ++	Aralia nudicau/is	.Wild sarsaparilla	. ++
reincereus (Cereus)	Deer-horn cactus	. ++	A. spinosa/	English ivy	
Thelocactus (Echinocactus)	DCCI-HOIH CACTAS	. 1 1			
(Echinocactus)	Continu		UMSELLI	FERAE	
Wilcoria (Cereus)	Cactus	++	4 -41	P 25 1.	- , ,
Wilcoxia (Cereus)	Lead-pencil cactus	- ++	Aethusa cynapium Ammoselinum popei	Sand parsiey	. † †
			Anethum graveolens	Dill	. +++
ELAEAG	NACEAE .		Angelica villosa Anthriscus		
Elaeagnus			cerefolium	Chervil	. +
angustifolia	Russian olive	+	Apium graveolens dulce		
E. argentea	Russian olive Silverberry	- ++	Bifora americana	Celery Coriander	
Shepherdia (Lepargyrea)			Bowlesia		
canadensis	Yellow buffaloberry		septentrionalis	Rabbit lettuce	++
xanthocarpa	Yellow buffaloberry	y +	Carum carvi		- +++
T WALL	ACEAE		harthoorem	Turnip-rooted	
			C. dasycarpum	chervil	- +++
Lagerstroemia indic	aCrapemyrtle	++	C. teinturieri	Chervil	- ++
Lythrum			Conium maculatum	Poison hemlock	. ++
linearifolium	Loosestrife	++	Daucus carota sativa D. pusillus	Carrot	- +++
PUNIC	ACEAE		Eryngium aquaticum	Button snakeroot	
101110	HODING		E. diffusum	Blue thistle, eryngo	++
Punica granatum	Pomegranate	+	E. hookeri	tryngo Ervngo	. ++
			E. leavenworthii E. wrightii Foeniculum vulgare	Eryngo	. ++
MYR'.	FACEAE		Foeniculum vulgare Heracleum villosum	Fennel	- ++
Mustus communic	Myrtle	++	Heracleum vinosum.	Darsnip	++
Myrtus communis Psidium guajava	Guava	- +++	H. lanatum Hydrocotyle prolifera H. rotundifolia	Cow parsnip	. +++
			Hydrocotyle prolifera	Marsh pennywort Marsh pennywort	++
ONAGE	RACEAE		Ligusticum		
	D d d		canadense Museniopsis texana	Nondo, angelico	- 11
Clarkia elegans Epilobium	Butterflyflower	+++	Myrrhis odorata	Sweet cicely,	1 1
angustifolium	Fireweed	- ++	Myrrhis odorata	myrrh	- ,++
Gaura biennis	Morning-honey- suckle		P. sativa sylvestris	Wild parsnip	- +++
G. coccinea	Scarlet gaura	II	Petroselinum		
G. lindheimeri	White gaura	- ++	hortense	Parsley	++
G. parviflora	Gaura	- 11	P. hortense radicosum	Turnip-rooted	
Jussiaea diffusa	Water primrose	. +	Phanerotaenia texana	parsley	- +++
G. sinuata Jussiaea diffusa J. suffruticosa Ludvigia alternifolia L. glandulosa Oenothera biennis	Willow primrose	‡	Pimpinella anisum	Anise	. ++
L. glandulosa	False loosestrife	_ I	Ptilimnium		
Oenothera biennis	Common evening		laciniatum	Laceflower, wild	444
O. (Raimannia)	· primrose	- +	P. nuttallii	Laceflower, wild	- 177
drummondii	Drummond evening	Z .		parsley	+++
	nmmrose		Spermolepis (Leptocaulis)		
O. (Galpinsia) hartwegi O. interior O. laciniata	Evening primrose	- +	echinata	Spermolepis	++
O. interior.	Evening primrose_	- +	, and the second		
O. laciniata	Yellow evening	+			
	primrose	+			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

	to 2 my mater		TOOL TOEL CONTINUE		
mantanting 1		Relative	Technical	C	Relative
Technical	Common names	suscepti- bility to	names	Common	suscepti-
names	names	root rot	names	names	bility to root rot
		1000 100			1001 100
CORNA	CIEAR		EBENA	CEAE	
CORNA	CEAE		EBENA	GEAE	
Cornus alba	Tatarian dogwood	4-4-4-4	Brayodendron		
C. (Snida)			texanum	Mexican persimmon	-
alternifolia	Pagoda dogwood	+++	Diospyros kaki	Iananese persimmon	+++
C. amomum	Silky dogwood	-+++	Diospyros kaki	Common persimmon	1 ++
C asperifolia	Roughleaf dogwood	-+++		perominion	. 1 1
C. (Cynorylon)	/	1 1 1 4	STYRAC	CACEAE	
C. (Cynoxylon) florida	Flowering dogwood	.++++			
C. florida rubra	Red-flowering dog-		Halesia carolina	Silverbell	. ++
C. sanguinea	wood	- +++	H. diptera	Snowdrop-tree	. ++
C. sanguinea	Bloodtwig dogwood	++++	Styrax platanifolia	Styrax	. +
Nyssa aquatica	Cotton gum, tupelo				
	gum	- +	OLEA	CEAE	
N. sylvatica	Black gum	++	GEBR	GEZIE	
			Chionanthus		
ERICA	CEAE		virginica	Fringetree	++
	10.1		Forestiera (Adelia)		1 1
Arbutus menziesii	Madrona	++	acuminata	Swamp privet:	
Arctostaphylos	D 1			Texas adelia	. ++
uva-ursi	Bearberry,	1.1	F. ligustrina	Privet adelia	. ++
Caulabanta	manzanita	++	F. neo-mexicana F. pubescens	Ironwood, adelia	. ++
Gaultheria	XX7: 4		F. pubescens	Devil's elbow,	
procumbens	vv intergreen			tanglewood	
Gayrussacia baccata.	Black nuckleberry	. , 🕋	Forsythia intermedia	Goldenbells	. +++
Kaimia angustiiona.	Sheep-raurer	· , TT	F. suspensa F. viridissima	Weeping forsythia	. ++
K. latifolia	wountain-iaurei		F. viridissima	Greenstem forsythia	+++
Oxydendrum arboreum	Cauemand		Fraxinus americana. F. caroliniana F. chinensis F. cuspidata	White ash	. +++
Rhododendron	30u1 w00u		F. caroliniana	Water ash	. ++
(Azalea) arborescens	Smooth agains	44	F. chinensis	Chinese ash	. +++
R. canescens			F. cuspidata	Fragant ash	. ++
R. catawbiense	Mountain rose hav	· III	r. exceisior	European asn	. ++
R. micranthum	Manchurian	- 71	F. greggii	Gregg ash	. ++
20. IIIICI aircii diii	rhododendron	- ++	F. nigra F. pennsylvanica	Black ash	. +++
Vaccinium	Inododendi on	- 11	F. pennsylvanica	Red ash	. ++
(7) (J., J.,)			F. pennsylvanica lanceolata		
arboreum	Sparkleberry	. ++	lanceolata	Prickly ash, green	
$V_{*}(Oxycoccus)$			F. texensis	ash	. ++
V. oxycoccus.	Large cranberry		F. texensis.	I exas asn	· +T
V. oxycoccus	Small cranberry		Jasminum humile	itanan yenow	1 1 1
• • • • • • • • • • • • • • • • • • • •					
PRIMIT.	ACEAE ·		J. primulinum	Common white	ملد بالدياد
TRIMOD	II GEILE		I primulinum	Primtose icemino	. TTT
Anagallis arvensis	Shenherd's		J. primamam	Chinese vellow	
-	harometer	-+-		Chinese yellow jasmine	++
Cyclamen indicum	.:Florists' cyclamen	- +	Ligustrum	Jasinine	- 1
Cindiana			acuminatum		
giganteum	Common cyclamen.	. +	macrocarnum	Bigberry privet	++
giganteum	Common shooting-		L. amurense	_Amur privet	+++
			L. ibota	Ibota privet	. ++
D. radicatum	Southern shooting-		L. ibota nanum	Pygmy or babydoll	
	star	+		privet	-+-
Lysimachia	25		L. japonicum	Tapanese privet	. ++
nummularia	Moneywort	_ +	L. lodense L. lucidum	Lodense privet	+++
Primula obconica superba P. sinensis	61		L. lucidum	Glossy privet, large-	
superba	Showy primrose	- ++		leaf privet	. ++
P. sinensis	Chinese primrose	: ‡	L. lucidum		
P. vulgaris Samolus cuneatus	Prinrose	-, +	L. lucidum erectum.	Waxleaf privet	. +++
Stoleonoma attick	Drookweed	- -	L. lucidum erectum.	Upright privet	. ++
Steironema ciliatum.	Filliged loosestrife		L. lucidum		
PLUMBAG	INACEAE		pyramidalis	Pyramidal privet	. ++
PLUMBAG	INACEAE		L. lucidum	DI-11-6-1-1	1 1 1
Limonium enn	Statice		recurvifolium	Blackleat privet	- +++
Limonium spp Statice armeria	White statice	T			
Deather attriction	mettade statice	· T	L. nepalenseL. ovalifolium	Nepai privet	- ++
G. Dom.	ORAR		L. ovalitoitum	Cantornia privet	11
SAPOTA	CEAE		L. quihoui L. sinense L. vulgare	Quinou privet	
Dumentin to see	Com alacily		L. sinense	Cninese privet	. +++
Bumelia lanuginosa.	Gum elastic,		L. vulgare	Common or	4.1.4
Sapota achras	chittam wood	- ,	L. vulgare aureum	European privet.	- TTT
Sapota acnras	sapodilia vine		D. vuigare aureum	I enowiear privet	- TT

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

		Relative			Relative
Technical	Common	suscepti-	Technical	Common	suscepti-
names		bility to root rot	names	names	bility to root rot
Menodora			Vincetoxicum		
	Menodora, red-bud	++	biflorum	Star milkuteed	4.4.
M. integrifolia	Menodora, red-bud	++	V. gonocarpos	Angle-nod	
Olea europaea			V. hirsutum	.Hairy milkweed	
Olea europaea communis	Olive	+++	V. hirsutum V. suberosum	.Smooth milkweed	. +++
Usmanthus					
O. ilicifolius	Devil-wood		CONVOLVU	JLACEAE	
argenteus	Silver osmanthus	++	Andreasia on calua-	33711	
Syringa chinensis	Chinese lilac	++++	Argyreia speciosa	glory	1. 1 1
S. japonica	Japanese tree lilac	+++	Breweria (Stylisma)	gioi y	. 777
S. japonica S. persica S. villosa S. vulgaris	Late lilac	III	pickeringii	Breweria	++
S. vuldaris	Common lilac	+111	Calonyction		
			aculeatum		
LOGAN	IACEAE	~		flower	++
			Convolvulus	TY . 1 1	
Buddlela asiatica			c. hermannioides		- +++
B. globosa	bush	. +++	C hormonnioides	Crow bindweed	- 111
B. globosa	Globe butterfly-	. +++	C. incanus.	Hoary hindweed	
Cynoctonum	bush	. +++	C. repens	Bindweed	- 111
mitreola	Mitrewort	4	C. repens C. sepium	Hedge-bindweed.	1 1 1
Gelsemium				rutland beauty	+++
sempervirens	Yellow jessamine	+++	Evolvulus alsinoides	Tufted evolvulus	++
sempervirens Spigelia marilandica	Pink-root	. ++	E. argenteus (pilosus).	Silvery evolvulus	- ++
			E. mollis E. sericeus Ipomoea batatas	. Soft evolvulus	++
GENTIA	NACEAE		E. sericeus	Silky evolvulus	- , ++
			I. caroliniana	Morning glory	
Centaurium			I. costellata	Morning-glory	- II
(Erythraea)	Star flower		I. fistulosa	Morning-glory	+++
beyrichii	Mountain pink	: ‡	I. fistulosa	Ivv-leaf morning-	
Eustoma gracile	Slender prairie		_ (glory	+++
	gentian	. +	I. lacunosaI. leptophyllaI. longifolia	Morning-glory	++
É. russellianum	Texas bluebell,		I. leptophylla	Bush morning-glory	y ++
	prairie gentian	. +.	1. longifolia	Morning-glory	++
			1. pandurata	Wha sweet-potato	
APOCY	NACEAE		I. pes-caprae I. purpurea	Common morning	- ++
			ar purporture	glory	++
Amsonia ciliata	Towns bloom stari	-	I. stolonifera	Morning-glory	+++
Apocynum	Texas blue star	. –	I. trichocarpaI. trifida	Morning-glory	++
androsaemifolium	Spreading dogbane.	. +	I. trifida	Morning-glory,	
A cannahinum	Indian hemp		I. triloba	tievine	. ++
Nerium indicum	hemp dogbane	. +	Organicalit (I hamasa)	worming-giory	++
Nerium indicum	Sweet-scented		coccines	Star Inomoes	44
N. oleander		. ++	O. pennata	Cypress-vine	+++
N. oleander	Oleander	- ++	Q. pennata Q. sloteri	Cardinal-climber	+++
Vinca minor	Common periwinkle White periwinkle				
v. rosea arba	white periwinale		POLEMON	HACEAE	
ASCLEPI	ADACEAE		Cilia inclas	Towns plums	
			Gina incisa	Torras plume	- I
Acerates viridiflora	Milkweed	. +++	Gilia incisa G. rigidula G. rubra	Standing cypress	Т
Asclepias				Texas plume	+
amplexicaulis	Milkweed	- ++	Loesena mexicana	Loesena	. ++
A. lanceolata	MilkweedMilkweed	· II	Navarretia (Gilia)		
A laurifolia	Milkweed	11	Navarretia (Gilia) squarrosa	Skunkweed	_ ++
A limonwin	Millemond		Phlox aspera P. divaricata	Phiox	
A. mexicana	Milkweed	. ++	P. divaricata	Drummond phlor	
A. obovata	Milkweed	++	P dlaherrima	Meadow phlox.	-
A. perennis	Milkweed	. +++	P. drummondii P. glaberrima P. nana P. paniculata	Dwarf phlox	I
A. rubra	Red milkweed	. ++	P. paniculata	Perennial phlox	
A. mexicana A. obovata A. perennis A. rubra A. syriaca	Common milkweed.				\
			HYDROPHY	YLLACEAE	
A. variegata A. verticillata	Horsetail milkweed	+++	1110110111		
Asclepiodora			Emmenanthe		
decumbens	Antelope horns	. ++	penduliflora	California golden-	
A. viridis	Antelope horns	- ++	1	bells	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

Technical names	Common names	Relative suscepti- bility to	Technical names	Common names	Relative susceptility
		root rot			root ro
Marilaunidium (Namo hispidum	1)		V. negundo	Negundo chaste-tree	+
hispidum	Sand bells	+ +	V. negundo incisa	Cut-leaf chaste-tree.	. +
M. jamaicense Vemophila aurita V. maculata	Figgs force	· I			
maculata	Five-enot	- I	LABIA	ATAE -	
J phacelinides	Raby blue-eyes	- 1			
N. phacelioides Phacelia bicknellii P. congesta	Snail flower.		Agastache nepetoides		
. congesta	Snail flower		Audibertia	hyssop	-
dissecta	Snail flower			Crimson sage	
			Coleus blumei	Colens	
BORAGIN	IACEAE '		Collinsonia		
Cordia boissieri	Anacohuita	. +	canadensis	Citronella, horse-	
			C. grandiflora	Rhadina	•
officinale	Hound's tongue	. +	Cunila origanoides	Stone-mint	-
chium vulgare chretia elliptica	Blue-weed	, ++	Uracocephalum		
hretia elliptica	.Anacua, "knock-		parviflorum	Dragonhead mint	
	away''	. +	Hedeoma		
ielintronium			Hedeoma drummondii	Drummond penny-	
glabriusculum I. peruvianum		- ++	H. hispida	royal	
copylla achinata	Pur good	- +	H. hispida	Hairy pennyroyal	-
appula echinata texana virginiana	Stick-seed	- 1	Hyssopus officinalis Lamium	пу880р	-
. viroiniana	Stick-weed, beggar'	8	amplavicanla	Dead nettle, henbit.	
• • • • • • • • • • • • • • • • • • • •	lice	_ ++	Lavandula spica	Lavender	
ithospermum			Lavandula spica Leonurus cardiaca Marrubium vulgare Melissa officinalis Mentha arvensis	Motherwort	
angustifolium	Puccoon	- +	Marrubium vulgare	Hoarhound	
. arvense	Wheat thief, corn		Melissa officinalis	Lemon-balm	
canescenstuberosum	gromwell	- +	Mentha arvensis	Field mint	
. canescens	- Puccoon		M. citrata	Bergamot mint	
. tuberosum	Virginia bluebella	- 1I	M. rotunditolia	Apple mint	
fertensia virginica Iyosotis scorpioides			M. spicata	Common garden-	
1. sylvatica	Forget-me-not		Monarda didyma	Oswego tea	-
amusth a ama a and			M. dispersa	Horsemint	_
beigriense	False gromwell	- +	M. dispersa M. fistulosa M. hirsutissima	Wild bergamot	
. hispidissimum	False gromwell	: +‡	M. hirsutissima	Horsemint	
	5.5		M. lasiodonta	Horsemint	
VERBEN.	ACEAE		M. mollis	Hairy wild berga- mot	
Callicarpa americana	French-mulherry	-	M. punctata	Spotted horsemint	
antana camara	Common lantana	ala ala	M. scabra	Horsemint	
. camara horrida	Calico bush	-+-	M. tenuiaristata	Horsemint	
. camara hybrida	Dwarf lantana	. ++	M. scabra	Catnip	
sellowiana	Weeping lantana	- +	Ocumum dasincum	Basil	
camara hyrrida			Physostegia		
cuneifolia	Fog-fruit	- +	(Dracocephalum)	Folgo desgonhos d	
			(Dracocephalum) Intermedia	False dragonhead	
. lanceolata	White brush hee-	- T	Prunella vuldaris	Heal-all	
. (Atoysta) ligustillia	hrush	-1-	Pycnanthemum		
. (Phyla) nodiflora	Turkey tangle	: ‡	(Koellia) flexuosum.	Slender mountain	
erbena				mint	
ambrosiaefolia	Wild verbena	. +	P. virginianum	Virginia mountain	
. angustifolia	Narrow-leaved .			mint	
	vervain	_	Rosmarinus	70	
. bipinnatinda	_Dakota verbena		officinalis	Rive solvie	
bipinnatifidabracteosa	Large-bracted	-1-	S agurea drandiflora	Great azure sage	
. canadensis	Clump verbens	-/ ‡	S. ballotaeflora.	Shrubby sage	
canadensis	Wild verbena	1	S. coccinea	Texas sage	
			S. azurea grandiflora S. ballotaeflora S. coccinea S. farinacea	Mealy cup sage,	
. hortensis	Garden verbena		S. greggi alba	blue sage	
. neomexicana	_Wild verbena		S. greggi alba	Autumn salvia	-
hortensis	European vervain		S. lanceolata	Lanceleaf salvia	
. rigida	Verbena	- +	S. lyrata	Lyre-leaved sage	
· SCADIA	verbena	- +	S roomeriane	Poemer sarva, sage.	•
7. rigida 7. scabra 7. stricta 7. urticaefolia	Nottle-leaved	-	S. lyrata S. officinalis S. roemeriana S. splendens	Scarlet salvia	
. Of ticaciona	vervain		Satureja hortensis	Summer savory	
	V CA V CAAAA		Cartain of the compiler		
V. xutha Vitex agnus-castus	Verbena		Scutellaria		

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

	Common	Relative suscepti-	Technical	Common	Relative
Technical names	names	bility to		names	suscepti- bility to
		root rot		<u> </u>	root rot
S. ovata	Skullcan	4	SCROPHULA	RIACEAE	
S. ovata S. parvula Stachys agraria S. coccinea	Skullcap	I I	SCROI HULZ	MINGERE	
Stachys agraria	Hedge nettle	+	Antirrhinum majus	.Snapdragon	. –
S. coccinea	Scarlet hedge nettle		Calceolaria pinnata	.Slipperwort	_
3. UIIICIIIAII8	Common perony		Castilleja coccinea	.Indian paint-brush,	
Teucrium canadense	Wood sage,			scarlet painted-	
Thymus vulgaris	germander Thyme		C. indivisa	Indian blanket,	
Trichostema dichotomum			C. lindheimeri	Texas painted-cur	_
dicnotomum	.Blue-curis		C. midnemeri	Indian paint-brush,	
SOLANA	CEAE		Digitalis purpurea Gerardia (Agalinis) grandiflora	.Foxglove	+
Capsicum frutescens	Bird pepper	. ++	grandiflora	.False yellow fox-	
C. frutescens			G. purpurea	False numle fox-	. ++
_ grossum	Sweet pepper	. +++	Or parparotining	glove	. ++
Cestrum diurnum	Day jessamine	++	Gratiola virginiana	Hedge-hyssop	++
grossumCestrum diurnumC. parqui	Chillan Jessamine	. , ++	Leucophyllum texanum		, ,
Datura metel	Hindu datura	. +++	texanum	.White-leaf, silver-	
D. meteloides	Sacred datura	+++	Linaria canadensis	leaf	. ++
D. stramonium	Jimson weed	- ++	Linaria canadensis	.Blue-toadflax	. ++
D. tatula	Christmas-berry	++	L. vulgaris	.Butter-and-eggs	. ++
Lycium caronmanum	tomatilla	1.1.1.	Maurandia		
Lyconersicum	comacina		(Antirrhinum)		
Lycopersicum esculentum.	Tomato		antirrhiniflora	.Maurandia	. ++
Nicandra physalodes	Apple-of-Peru	++	Mimulus luteus		
Nicotiana alata			M. ringens	flower	
grandiflora N. glauca N. longiflora N. rustica N. tabacum	Jasmine tobacco	. ++		flower	_
N. Jondifford	Wild tobacco		Paulownia tomentosa	.Empress tree.	
N. fonginora	Azton tobacco.		Pentstemon albidus	princess tree	. +
N tabacum	Common tobacco		Pentstemon albidus	.White penstemon,	
Nieromberdie	Common tobacco	- 77-77		white beard-	
Nierembergia frutescens	Tall-cunflower			_ tongue	. ++
Patunia hybrida	Petunia	. +	P. cobaea	Beard-tongue,	
Physalis andulata	Ground-cherry	++		penstemon	. + +
P. barbadensis	Ground-cherry		P. laevigatus digitalis.	.Foxglove penstemor	t +
Petunia hybrida Physalis angulata P. barbadensis P. francheti	Chinese lantern-		P. murrayanus P. tubiflorus Verbascum blattaria V. thapsus Veronica anagallis	Scarlet-beard fox-	4.4
P. heterophylla	plant	- ++	P. tubiflorus	Tube beard-tongue	+++
P. heterophylla	.Ground-cherry	. ++	Verbascum blattaria	Moth mullein	- 1 1
P. Intermedia	Ground-cherry	. ++	V. thapsus		++
P. intermedia	Ground-cherry	- ++	Veronica anagallis-		. ,
r. pubescens	.Common ground-	1.1	aguatica	.Speedwell	. +
P. subglabrata	Cround cherry	· ++ · ++ · ++	V. arvensis	Corn speedwell	. +
P. texana	Ground-cherry	· II	V. officinalis	.Common speedwell.	. +
P. turbinata	Ground-cherry	. II	V. peregrina	.Neckweed	+
P. viscosa	Beach ground-	17	V. polita	.Speedwell	+++
	cherry	. ++	veronica anaganis- aquatica. V. arvensis V. officinalis V. peregrina. V. polita V. virginica	Black-root, Culver's physic	
Quincula (Physalis)				Priyotc	- 7
Salpiglossis sinuata	Ground-cherry	- ++	BIGNONI	ACEAE	
Schizanthus pinnatus	Wingleaf butterfly		BIGNOM	AGEAE	
Solandra nitida	flower	. ++	Catalpa bignonioides.	.Common cataloa	. +++
Solandra nitida	.Chalice-vine	- +	C. speciosa	Western catalpa	+++
Solanum			C. speciosa	.Desert willow	. +++
aculeatissimum	Nightshade	. ++	Doxantha unguis-cati	Catclaw trumpet	. +++
s. carolinense	.Horse-nettle	. , ++	Jacaranda acutifolia	.Green-ebony	. ++
S. carolinense	Bunalo Dur	- +++	Tecoma (Bignonia,	_	
S. elaeagnifolium	. I rompillo, white		Campsis) radicans		
Smolondona	Formant	- 11	TD	trumpet-flower	- ++
S nidrum	Black nightshade	II	T. stans	.riorida trumpet-	
S. melongena	Terusalem-cherry	II		bush, yellow	444
S. rostratum	Buffalo bur	1 1	Tecomaria (Tecoma)	trumpet-flower	- 111
S. torrevi	Torrey horse-nettle.	. ++	capensis	Cape-honeysuckle	
S. rostratum S. torreyi S. triquetrum	Vine nightshade	- ++	On position.	Cape-Honeysuckie	
C	Irish potato	· ++	PEDALIA	CEAR	
S. tuberosum					
S. tuberosum			FEDALIA	CEAE	

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

		Relative		-	Relative
Technical .	Common names	suscepti- bility to	Technical names	Common	suscepti
names	names	root rot	manies	names	bility to root rot
MARTYN	ACEAE		L. bella albida	White belle honey-	
Proboscidea (Martynia	,)		L. fragrantissima	Suckle	- +-
fragrans	Ram's horns, sweet		L. heckrottii	Ever-blooming	
	unicorn-plant		L. japonica	bush-honeysuckle	
P. jussieui	plant	- 44.44			ala al
	plant	~ ++	L. japonica chinensis.	Purple Japanese	- 47
ACANTH	ACEAE		L. morrowii L. sempervirens	boneysuckle	+-
Acanthus mollis	Soft acanthus	++	L. morrown	Scarlet trumpet	. 7
Beloperone guttata	Beloperone	++	D. semper virens.	honevsuckle	. ++-
Beloperone guttata Dianthera americana	Water willow	. +++	L. tatarica	.Tatarian honey-	
Oyschoriste (Calophanes) linearis	Snake herb	+	Sambucus canadensis	Suckle	
Pachystachys			S. nidra	European elder	the set
(Jacobinia) coccinea	Cardinal's guard	. ++	S. pubens	Red elder	. ++-
Ruellia ciliosa	Ruellia	. ++			
R. humilis	- Kuellia	- I	occidentalis	Corollower	
R. parviflora	Ruellia	+ 1	S. racemosus	Common snowherry	_
K. tuberosa	Kuema		Viburnum opulus		
Thunbergia alata	Black-eyed-susan,		roseum	Common snowball	+-1
			V. prunifolium V. rufidulum	.Blackhaw	- +
	vine	- ++	v. rundulum	Southern blackhaw.	- +++
PLANTAGI	NACEAE		VALERIAN	NACEAE	
Plantago aristata	Large-bracted		Valeriana officinalis	Common valerian	. 4
P. arvenaria	plantain	+ ‡	Valerianella locusta V. stenocarpa	.Cornsalad	
P. arvenaria	Sand plantain	- ++	V. stenocarpa	.Cornsalad	
P. heterophylla		+	DIPSACA	CEAE	
P. inflexa	Rough plantain	. +	DII SACA	CEZIE	
P. inflexa P. lanatifolia P. lanceolata	Woolly plantain	. +	Dipsacus sylvestris	.Common teasel	. +
P. lanceolata	English rib-grass	1 1	Scabiosa		
P occidentalie	Western plantain	- +I	S. caucasica	Sweet scabiosa	. ++
P. occidentalis P. virginica	Dwarf plantain	- ++	S. caucasica	-Caucasian scapiosa.	
			CUCURBI	FACEAE	
RUBIA	CEAE		Citrullus vulgaris	.Watermelon	
Bouvardia ternifolia	Scarlet bouvardia	. +	C. vulgaris citroides Cucumis anguria	.Citron	-
Cephalanthus			C. melo	.West indian gherkii	n –
_ occidentalis	Buttonbush	. ++	C. sativus	Cucumber	. +
Diodia teres	Buttonweed	· † †	Cucurbita		
Gallum aparine		- +II	foetidissima	Calabazilla,	
G. triflorum	. Sweet scented bed-		C. maxima	buffalogourd	
	straw	- ++	C. maxima C. melanosperma	Malabar gourd	
G. virgatum		- ++	C moschata	Cucham	
Gardenia jasminoides Hamelia erecta	Scarlet-bush	. ++	C. pepo	.Pumpkin	
Houstonia			Cyclanthera dissecta	.Cut-leat bur	
angustifolia H. humifusa	Babys-breath	- ++	C. pedata	Cut-leaf bur	
H. humifusa	Sand houstonia	. ++		cucumber	
H. patens Mitchella repens	Partridge-herry	- т	Echinocystis lobata	.Mock-cucumber	
Mitteliena repens	twin-berry	. +	Ibervillea lindheimeri.	.Snake-apple	
			I. tenuisecta Lagenaria leucantha	.Snake-apple	•
CAPRIFOL	IACEAE			gourd	
	01 (1111		Luffa cylindrica Melothria pendula	Suakwa towelgourd.	
Abelia chinensis	Mariana abalia	-1L	Melothria pendula	.Creeping cucumber.	-
A. floribunda	Glossy abelia	. 11	Momordica	Ralcom apple	
			balsaminaSicyos angulatus	Star-cucumber	
florida	Rose weigela	. ++	Dicyos angulacus		
D hybrida candida	Snow weigela	. ++	CAMPAÑU	LACEAE	
D. japonica D. rivularis	Buch hopoveyeld	- 11	Campanula medium	Canterbury-belle	+ 4
Kolkwitzia amahilis	Beauty-bush	TI	Platycodon		
Kolkwitzia amabilis Lonicera albiflora	.White honeysuckle.	++	grandiflorum	.Balloonflower	. ++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued.

		Relative		_	Relative
Technical	Common	suscepti-	Technical	Common	suscepti
names	names	bility to root rot	names	names	bility to
Specularia biflora S. coloradoensis S. perfoliata	Venus lookingglass_	- +++	A. virgatus	0	
S perfoliate	Venus lookingglass.	· II	(purpuratus)	aster	-11
of periorata	v ciido toomiiggiuss.	- 11	Baccharis halimifolia.	Canadaalbaab	
LOBELIACEAE			Rahia abeinthifolia	Rahia	-i. i
			Bellis integrifolia	Western daisy	. +++
Lobelia cardinalis	Cardinal flower	. ++	Bellis integrifolia B. perennis Berlandiera dealbata B. lyrata	Berlandier daisy	- ++:
L. cliffortiana	Cliffort lobelia	- ++	B. lyrata	.Green-eves	. +-
L. intlata	Indian tobacco	·	B. texana Bidens aristosa	Green-eyes	. +-
L. siphilitica	Great lobelia	1 1	Bidens aristosa	Western tickseed	++
L. spicata	Spiked lobelia	. +	B. cernua	marigold	
Lobelia cardinalis	Cardinal flower	_ ++	B. comosa	.Leafy-bracted tick-	-
				annal	
COMPOSITAE			B. connata B. discoidea	Swamp beggar-ticks	3 , , -
			B. frondosa	Reggaraticks	- ++1
Achillea millefolium.	Milfoil, yarrow	- ++	Boltonia asteroides	Boltonia	. +-
Actinea (Tetraneuris)	Vellow daisy				
linearifolia	Yellow daisy	: ‡‡	Cacalia (Emilia)	Tonnol florrion	1.
			C. (Mesadenia)	1 assci-110 wei	- 7-7
houstonianum Ambrosia aptera A. artemisiifolia	Ageratum	- +	Cacalia (Emilia) sagittata	Indian tuberose	+
A. artemisiifolia	Roman wormwood.		Calendula officinalis		
			Callistephus	marigold	
A. bidentata	Ragweed	- ++	Callistephus chinensis Catananche caerulea		. + 4
A. psilostachya	Ragweed	. ++	Catananche caerulea	Cupids-dart	. +++
A. psilostachya A. trifida	bloodweed	+++			
Anthemis arvensis A. cotula	Corn camomile	++	C. cineraria C. cyanus C. montana	Dusty miller	- ++-
A. cotula	Dog-fennel	++	G. montana	Mountain-bluet	
Aphanostephus humilis	Marguerites white		C. moschata	Sweet-sultan	. ++-
numms	daisy	. ++	C. moschata	Starthistle,	
A. skirrobasis	White daisy	- ++	Chaetopappa parryi	Chartenappe thistle.	
Aplopappus			Chrysanthemum		. 1
Arctium (Labba)	Aplopappus	- ++	cinerariaefolium	Pyrethrum. Dal-	
Arctium (Lappa) minus	Common burdock	++		matian insect	
Arctotis			G. coccineum		+-
stoechadiflora	African daisy, bushy arctotis	- ++	G. coccineum	thrum Pereian	
Artemisia biennis	Sagebrush, worm-	- TT.		thrum, Persian insect flowers	+-
	xxxood	-1-	C. frutescens	_Marguerite	- +-
A. caudata	Sagebrush, worm-		C. hortorum		1.1
A. gnaphalodes	Wood	++	C. leucanthemum	Chrysanthemum	- 11:
-	wood	++	C. maximum	Shasta daisy	- +-
A. mexicana	Sagebrush, worm-		C. maximum C. morifolium	Florists	
Aster azureus	minord			chrysanthemum	+-
A continue	Late purple aster	ede ede	Chrysogonum virginianum	Golden-star	_ +-
A. drummondii	Drummond aster	_ ++	Chrysopsis		
A. continuus A. drummondii A. ericoides A. exiguus	White heath aster	- ++ - ++ - ++	berlandieri	Berlandier golden-	
A. exiguus	Wreath aster	- ++	G. mariana	Maryland golden-	
A. exilis	Great purple aster	- II		aster	
A. hemisphericus A. hirtellus A. lateriflorus	Hairy aster	- ++	Cichorium endivia C. intybus	.Endive	- ++-
A. lateriflorus	Calico aster	- ++	C. Intybus	Chicory	- ++-
A. (Ionactis) linariifolius			Cirsium (Carduus) altissimum	Tall thistle	44-
A. oblongifolius	Aromatic aster				
A. patens	Sky-drop aster	- ++	C. austrinus C. canescens C. discolor C. lanceolatum	Slender thistle	- ++-
A. pedionomus	Purple aster	. ++	C. canescens	Woolly thistle	- +-
			C lanceolatum	Rull thistle	- 1
A. sericeus	Western silky aster		G. muticum	_Swamp thistle	
A. poaceus A. salicifolius A. sericeus A. spinosus A. (Machaeranthera) tanacetifolius A. umbellatus	Spiny aster	+	C. muticum	Blessed thistle	+-
A. (Machaeranthera)			Coreopsis angustitolia	a Calliopsis	+-
tanacetifolius	I ansy aster	- 11	C. cardaminefolia	coreopsis.,	د بالور

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot,—Continued.

Relative

Relative |

Technical names	Common names	Relative suscepti- bility to root rot	Technical names	Common names	Relative suscepti- bility to root rot
-					
C. coronata	Crown coreopsis	+++	H. quadridentatum H. tenuifolium	Sneezeweed	- ++
C. drummondii	Big coreonsis	- +I	II. tenunonum	weed, bitterweed.	44
C. lanceolata villosa	Lance coreopsis	++	Helianthus		
C tinctoria	Callioneig	++	angustifolius H. annuus	Swamp sunflower	- ++
Cosmos bipinnatus	Common cosmos	++	H. annuus	Garden or common	
C. sulphureus	Yellow cosmos	. +++	H. argophyllus	sunflower	- +++
Cosmos bipinnatus C. sulphureus Cynara scolymus Dahlia excelsa D. juarezii	Tree dablia	-+III	H. ciliaria		- II
D. juarezii	.Cactus dahlia	-++++	H. ciliaris H. cinereus	Hoary sunflower	11
D. merckii	sedding danna	.++++	H. cucumerifolius	Cucumber-leaf sun-	
D. pinnata	Aztec or garden		H. debilis	flower	- +++
Echinacea (Brauneria)	dahlia	.++++	H decapetalus	Cucumber sunflower	++
angustifolia	Hedgehog cone-		H. decapetalus H. filiformis	Thread-leaf sun.	. 77
		. ++		flower	. ++
E. purpurea Echinops humilis Encelia calva	. Purple coneflower	. ++	H. giganteus	Indian potato, giant	
Echinops humilis	Globe-thistle	- ++	H. hirsutus	sunflower	- +++
E. subaristata	Encella	- 11	H. nirsutus	Stin-naired sun-	4. 4. 1.
Erideron annuus	Daisy fleabane	· II	H. maximiliani	Maximilian sun-	- +++
Erigeron annuus E. bellidiastrum	Western daisy flea-			flower	. ++
	bane	. ++	H. mollis	Ashy sunflower	. +++
E. (Leptilon)	TT		H. occidentalis	Few-leaf sunflower	- ++
canadensis E. divaricatus	Horse-weed neadane		H. petiolaris H. scaberrimus	Stiff sunflower	- 11
Eupatorium	urpic norse-weed	· T-T-	H. stenophyllus	Narrow-leaf sun-	- 11.11.
altissimum	Tall thoroughwort	. ++			. ++
altissimum E. capillifolium	Dog-fennel	- ++	H. tuberosus	Jerusalem artichoke	++++
E. coelestinum	Mist-flower	. ++	Helichrysum		
E. compositifolium E. havanense	Dog-tennel	- ++	bracteatum	Strawflower	
E. navanense	wort.	. +	Heterospermum	Y/	
E. hyssopifolium	Hyssop-leaf	- 1	pinnatum Heterotheca		
E. perfoliatum	thoroughwort	. ++	subaxillaris	Camphor plant	++
E. perfoliatum	Common boneset	- ++			
E. purpureum E. rotundifolium	Joe-pye weed	- +++	aurantiacum	.Orange hawkweed	. +
E. fotunanonum	thoroughwort	+++	H. gronovii H. longipilum	Hairy hawkweed	- +++
E. serotinum	Late-flowering				
	thoroughwort	++	H. pilosella		
E. urticaefolium	White snakeroot	. ++	H. pilosella Hymenopappus corymbosus	weed	. ++
Felicia amelloides	brue daisy	+	Hymenopappus	**	
Filago (Filaginopsis)	Poverty weed	1.1	Corymbosus	Hymenopappus	- ++
Franseria hookeriana	Rosetilla	- TI	Isocoma drummondii	Ravless goldenrod	· II
Gaillardia amblyodon	Maroon gaillardia		Iva ciliata	Marsh elder	. ++
G. aristata	Common perennial		I. xanthifolia Krigia virginica	.Marsh elder	. +
G. chrysantha	gaillardia	. +++	Krigia virginica	Dwarf dandelion	. +++
G. lanceolata	.Gaillardia	· + ±	Kuhnia eupatorioides K. rosmarinifolia Lactuca canadensis L. graminifolia	False Doneset	++
G. pulchella	Firewheel, rose-ring	· T	Lactuca canadensis	Wild lettuce	. II
			L. graminifolia	.Wild lettuce	++
Gerberia jamesoni	.Transvaal daisy	. ++	L. mirsuta	nairy lettuce	++
Gnaphalium			L. ludoviciana	.Western prickly	
falcatum	Cudweed	++	L. sativa	lettuce	++
G. polycephalum	.Everlasting	+++	L. scariola	Prickly lettuce	TI
G enathulatum	Cudweed		Lepachys (Ratibida)	and a control of the	' '
G. purpureum	Wright cudweed	++	columnaris	Long-head cone-	
Grindelia micro-				flower, nigger-	
cephala adenodonta	Rosin-weed	· ++		head	+++
G. lanceolata	.ivarrow-lear gum	. +++	L. pinnata	.Gray-nead cone-	1.4
G. rubricaulis	plant	- 111	Liatris (Lacinaria)	flower	++
robusta	.Gum plant	. ++	acidota	Slender blazing star	++
G. squarrosa	.Tar-weed	. ++	L. elegans	Pinkscale gav-	
Helenium autumnale.	Sneezeweed	. ++	L. pycnostachya	leather	++
H. microcephalum H. nudiflorum	Purple-head speeze	++	L. pychostacnya	Prairie blazing star, cattail gayfeather	4.1
	meed	ala ala	L. scariosa	Spike gayfeather	II
H. parviflorum	.Sneezeweed	. +++	L. scariosa Lindheimera texana	.Texas star daisy	1
				,	

Table 2. Rating of plants with reference to their relative resistance or susceptibility to Phymatotrichum root rot.—Continued,

	to I mymatoti		root rot.—Continue		
Technical names	Common names	Relative suscepti- bility to root rot	Technical names	Common names .	Relative suscepti- bility to root rot
		1001101			1001101
Lygodesmia texana	Flowering straw	++	Sitilias (Pyrrhopappus)		
Marshallia caespitosa			caroliniana	False dandelion	++
M. obovata			S. grandiflora	.False dandelion	
(grandiflora)	Barbara's-buttons	- ++	S. multicaulis	False dandelion	. ++
Molampodium			Solidago altissima S. caesia	Tall goldenrod	. +
cinereum	Mountain daisy,		S. caesia	Wreath goldenrod	. ++
	pole melampod-		S. canadensis	Canada goldenrod	. +++
	ium	. ++	S. gattingeri	Gattinger goldenro	1 ++
M. leucanthum			S. hirsutissima	Goldenrod	- ++
M. ramosissimum	ium	- ++	S. notabilis	Clasping goldenrod.	- , ++
M. ramosissimum	Branched melamp-	1.1	S. odora	Downer goldenrod	- +++
Mikania scandens	Odium.	- ++	S. petiolaris	Western rough gold	- ++
WIRAMIA SCAMUCIS	weed	. +++	S. Iauuia	enrod	
Parthenium			S. rioida	Stiff goldenrod	- 11
argenfatum	Guavule	. ++	S. rigida S. rigidiuscula	Slender showy	1 1
P. hysterophorus	Ragweed	++		goldenrod	. ++
argentatum P. hysterophorus Pectis tenella Polypteris (Palafoxia) callosa	.Limoncillo	- ++	S. serotina	November golden-	
Polypteris (Palafoxia)			S. tortifolia	rod	. ++
callosa	Polypteris	. ++	S. tortifolia	Twisted-leaf golden-	-
P. hookeriana	Palafoxia	. ++			
P. texana	Texas palafoxia	. ++	S. ulmifolia	Elm-leaf goldenrod.	. ++
Rudbeckia			Sonchus arvensis	Field sow thistle	. +
Rudbeckia alismaefolia R. amplexicaulis	Coneflower	. ++	S. asper	Spiny-leaved sow	
R. amplexicaulis	Clasping conenower	++	6 -1	thistle	- ++
R. bicolor	Pinewoods cone-		S. oleraceus Stokesia laevis	Common sow thistie	++
R. floridana	flower	· . , †	Todotos orosto	A frican marigald	·
R. fulgida		· II	Tagetes erecta T. patula	Franch marigold	_
R. glabra	Smooth coneflower	· + + + + + + + + + + + + + + + + + + +	T. tenuifolia pumila	Dwarf marigold	_
R. grandiflora	Coneflower	11	Taraxacum		-
R. hirta	Black-eved-susan.	- 1 1	(Leontodon)		
	vellow daisy	- ++	officinalis	Dandelion	. +++
R. laciniata hortensia	Goldenglow	- ++	Tetragonotheca		
R. maxima	Great coneflower	- ++	Tetragonotheca texana	Ragged daisy	- +++
R. nitida	Autumn glory	- ++			
R. subtomentosa	Sweet coneflower	- ++	burridgeanum	Thelesperma	- ++
R. triloba	Brown-eyed-susan	. ++	Tithonia rotundifolia	Titnonia	- +
Santolina chamaecyparissus	Mariana anga		Tragopogon porrifolius	Coloifer	444
		+			
Senecio aureus	Golden ragwort	- T	T. pratensis	goats-heard	+++
502020 202040	groundsel	- ++	Tussilago farfara	-Colts-foot	- ++
S. balsamitae			Verbesina (Ximenesia)		
(pauperculus) S. cruentus S. glabellus	Balsam groundsel	. +++			
S. cruentus	Cineraria	. +++	V. texana	Crownbeard	. +
S. glabellus	Squaw-weed, butter	-	V. virginica	Indian tobacco,	
S. jacobaea	weed	- ++	Vernonia altissima	frostweed	+
S. jacobaea	Staggerwort, tansy	, ,	Vernonia altissima	_Tall ironweed	- ++
S. mikanioides	ragwort	- ++	V. baldwinii	Baidwin ironweed	- ++
5. mikamoides	German ivy, ivy	. ++	V. fasciculataV. missurica	Missouri ironweed	- 41
S. obovatus	Squary wood round	- 77	Viguiera Viguiera	wissouri itoitweed	- 4
D. ODOYACUS	leaf groundsel	+++	heliantholdes	Vigniera	
S. obovatus rotundus	Roundleaf groundse	1 +++	Xanthisma texanum	Sleepy daisy	. ++
S. plattensis. S. vulgaris.	Prairie ragwort	- ++	Xanthium		, ,
S. vulgaris.	Common groundsel.	-++	americanum	Cocklebur, clotbur	++
Sideranthus			X. canadense	Cocklebur	. ++
(Eriocarpum) cotula	Yellow daisy, side-		X. commune	Common cocklebur.	. ++
S. rubiginosus	ranthus	. ++	X. communeX. pennsylvanicum	Cocklebur	- ++
S. rubiginosus	Yellow daisy, side-		X. speciosum X. (Acanthoxanthium)	Cocklebur	. ++
			X. (Acanthoxanthium)		
Silphium gracile	Slender rosin-weed.	-++++	spinosumZexmenia hispida	Spiny cocklebur	- ++
S. integritolium	Kosın-weed		Zexmenia hispida	Zexmenia	- ++
S. laciniatum	Compa -plant	- ++	Zinnia angustifolia	Mexican zinnia	+
			Z. elegans	Common zinnia	- +

ALPHABETIC INDEX

.This index lists alphabetically common names of the plants, and technical names of families and genera but not species. Technical names of genera given in the list as synonyms are here indexed in italics, as in the list. Common names are given usually only once, under the most important word. For example, "Tar weed" is indexed as "Tar weed," and "Silvery croton" as "Croton, silvery."

Root-rot ratings have been inserted in this index following the common names of plants, so that the ratings of plants with recognized common names may be found easily. Where several different plants with the same common name have different root-rot ratings, the ratings have been omitted from the index. When several plants have the same common name and the same ratings, these are given only once. The ratings are not repeated for the technical names and should be sought in the list on the pages indicated.

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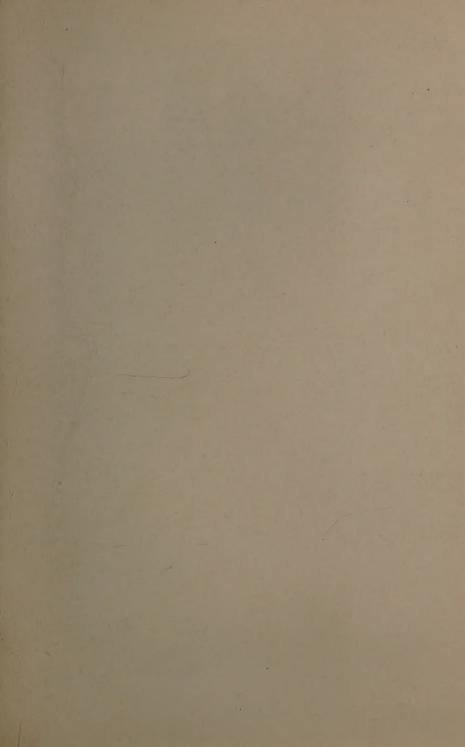
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LITERATURE CITED

- American Joint Committee on Horticultural Nomenclature, Standardized Plant Names, 1923.
- Bach, Walter J., and J. J. Taubenhaus. Resistance of the Turk's-cap Hibiscus, Malvaviscus conzattii, to Phymatotrichum root rot. Phytopath. 22: 453-458. 1932.
- Bailey, L. H., and E. Z. Bailey. Hortus, a concise dictionary of gardening, general horticulture and cultivated plants in North America. 1935.
- Butler, Karl D. The cotton root rot fungus, Phymatotrichum omnivorum, parasitic on the watermelon, Citrullus vulgaris. Phytopath. 25: 559-577. 1935.
- 5. Ezekiel, Walter N., and J. J. Taubenhaus. Cotton crop losses from Phymatotrichum root rot. Jour. Agr. Res. 49: 843-858. 1934.
- Ezekiel, Walter N., J. J. Taubenhaus, and J. F. Fudge. Growth of Phymatotrichum omnivorum in plant juices as correlated with resistance of plants to root rot. Phytopath. 22:459-474. 1932.
- Ezekiel, Walter N., J. J. Taubenhaus, and J. F. Fudge. Further study on the nature of immunity of monocotyledonous plants to Phymatotrichum root rot. (Abst.) Phytopath. 26:92-93. 1936.
- Hitchcock, A. S. Manual of the grasses of the United States. U. S. Dept. Agr. Misc. Pub. 200. 1040 p. 1935.
- 9. King, C. J., Claude Hope, and E. D. Eaton. The cotton root rot fungus indigenous in Arizona deserts. Sci. 75: 48-49. 1932.
- Mattoon, W. R., and C. B. Webster. Forest trees of Texas. Texas Forest Service Bul. 20. 96 p. 1928.
- 11. Rehder, A. Manual of cultivated trees and shrubs. 1934.
- 12. Robinson, B. L., and M. L., Fernald. Gray's New Manual of Botany (Seventh edition—illustrated). 1908.
- 13. Schulz, Ellen D. Texas wild flowers, 1928.
- 14. Seymour, A. B. Host index of the fungi of North America. 1929.
- 15. Small, J. K. Flora of the southeastern United States. 1913.
- 16. Small, J. K. Manual of the southeastern flora. 1933.
- Taubenhaus, J. J. Phymatotrichum root rot on winter and spring weeds of South Central Texas. Amer. Jour. Bot. 23:167-168. 1936.
- Taubenhaus, J. J., B. F. Dana, and S. E. Wolff. Plants susceptible or resistant to cotton root rot and their relation to control. Texas Agr. Exp. Sta. Bul. 393:3-30. 1929.
- Taubenhaus, J. J., and Walter N. Ezekiel. Cotton root-rot and its control. Texas Agr. Exp. Sta. Bul. 423:3-39. 1931.
- Taubenhaus, J. J., and Walter N. Ezekiel. Resistance of monocotyledons to Phymatotrichum root rot. Phytopath. 22:443-452. 1932.
- Taubenhaus, J. J., and Walter N. Ezekiel. Check list of diseases of plants in Texas. Trans. Texas Acad. Sci. 16:5-89, 101-118. 1933.
- Taubenhaus, J. J., and D. T. Killough. Texas root rot of cotton and methods of its control. Texas Agr. Exp. Sta. Bul. 307:3-98. 1923.
- Wooton, E. O., and Paul C. Standley. Flora of New Mexico. Contr. U. S. Nat. Herb. 19: 1-794. 1915.



Root-rot ratings used in the list are defined briefly below, for convenient reference. Detailed discussion of these ratings will be found in the introduction.

Ratings		Annual plants, percentage suc-	Perennial plants, percentage likely
Symbols	Names	cumbing to root rot during the year	to succumb before maturity
 + ++ +++ +++	immune resistant moderately susceptible highly susceptible extremely susceptible	0 0-5 5-30 30-80 80-100	0 0-10 50-90 90-100 100